

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 001	3. Review Date July 8, 2003
4. Title Client vs. SNAS Server Requirements		
5. Action Recommend reviewing the SNAS SRD to ensure requirements are specified to properly address allocation to the client and /or the SNAS server.		
Reference		
6. Originator/Organization/Telephone No./E-mail Caren Gioannini/ NASA/WSC/ 505.527.7026/ mailto:Caren.C.Gioannini@nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response We agree that there seemed to be some confusion during the Review as to what functions are client controlled versus those that are system requirements or database administrator functions. The next revision of the SRD will attempt to clarify the division between the SNAS client and SNAS server/database administrator in terms of requirements.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/5/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)

<p>1. <i>Review Type</i> SNAS SRR</p>	<p>2. <i>RFA No.</i> CCR 452/107 - 002</p>	<p>3. <i>Review Date</i> July 8, 2003</p>
<p>4. <i>Title</i> Customer Acclimation</p>		
<p>5. <i>Action</i> Consider demonstrating SWSI to existing UPS user's to provide some insight on SWSI operations. (The concept on which SNAS is being built upon). Then at, say, CDR there should be some SNAS prototype displays and/or demos.</p>		
<p><i>Reference</i></p>		
<p>6. <i>Originator/Organization/Telephone No./E-mail</i> Caren Gioannini/ NASA/WSC/ 505.527.7026/ mailto:Caren.C.Gioannini@nasa.gov</p>		
<p>7. <i>Assigned To/Organization/Telephone No./E-mail</i> Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov</p>	<p><i>Due Date</i></p>	
<p>8. <i>Response</i> This is a good idea. We will add this to our detailed schedule to demo SWSI around the PDR timeframe. By CDR there will be some SNAS prototype displays available to show customers.</p>		
<p>9. <i>Response By/Organization/Telephone No./E-mail</i> Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov</p>	<p><i>Date Prepared</i> 10/31/03</p>	
<p>10. <i>Originator Contacted</i></p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p><i>Date</i> 11/10/03</p>
<p>11. <i>Disposition</i></p>	<p><input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn</p>	
<p>12. <i>Comments</i></p>		
<p>13. <i>Approval</i></p>	<p align="center"><u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR</p>	<p align="center">11/17/03 Date</p>

REQUEST FOR ACTION (RFA)

<p>1. <i>Review Type</i> SNAS SRR</p>	<p>2. <i>RFA No.</i> CCR 452/107 - 003</p>	<p>3. <i>Review Date</i> July 8, 2003</p>
<p>4. <i>Title</i> Requirements versus Design</p>		
<p>5. <i>Action</i> While this was supposed to be just a requirements review, a lot of the capabilities seem to have already been designed based on the current SWSI implementation, which has a very manual interface and seems to be designed after how things are performed at the DSMC and not how a customer performs these functions. Do you plan on documenting, which functions plan to be implemented as they are currently in SWSI?</p>		
<p><i>Reference</i></p>		
<p>6. <i>Originator/Organization/Telephone No./E-mail</i> Jackie Chapman/ SPM/ 301.286.1932 mailto:jchapma8@csc.com</p>		
<p>7. <i>Assigned To/Organization/Telephone No./E-mail</i> Earl Bartlett/ ITT/ 301.809.2203 mailto:earl.bartlett@itt.com</p>	<p><i>Due Date</i></p>	
<p>8. <i>Response</i> Given that SNAS will be a replacement system for both the SWSI and the UPS, there is a legitimate need to document not only the functional similarities between SWSI and SNAS, but also the functional differences between SWSI/UPS and SNAS. These similarities and differences will be documented in an appendix to the SNAS Operations Concept Document.</p>		
<p>9. <i>Response By/Organization/Telephone No./E-mail</i> Earl Bartlett/ ITT/ 301.809.2203 mailto:earl.bartlett@itt.com</p>	<p><i>Date Prepared</i> 10/23/03</p>	
<p>10. <i>Originator Contacted</i></p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p><i>Date</i> 10/17/03</p>
<p>11. <i>Disposition</i></p>	<p><input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn</p>	
<p>12. <i>Comments</i></p>		
<p>13. <i>Approval</i></p>	<p align="center"><u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR</p>	<p align="center"><u>10/23/03</u> Date</p>

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 004	3. Review Date July 8, 2003
4. Title Applicable Documents (which versions?)		
5. Action What if the listed Documents are updated after this requirements document? Which version will take precedent?		
Reference 2.1 (Req. pg. 2-1)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Earl Bartlett/ ITT/ 301.809.2203 mailto:earl.bartlett@itt.com		Due Date
8. Response The "Applicable Documents" paragraph of all SNAS documents states, "The most recent version of these documents takes precedence." It is incumbent upon the SNAS system engineering staff to ensure that the SNAS requirements, operations concepts, etc. are consist with the most recent version of the applicable documents.		
9. Response By/Organization/Telephone No./E-mail Earl Bartlett/ ITT/ 301.809.2203 mailto:earl.bartlett@itt.com		Date Prepared 10/23/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<i>Signature on file</i> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 005	3. Review Date July 8, 2003
4. Title Client Workstation Requirements		
5. Action Hardware for client workstation needs to be further defined as to what OS and/or capability. Presentation mentions one TCP interface per Client. What if Client has more than one Workstation being used? My MOC users currently use eight workstations simultaneously.		
Reference 3.2.1 (Req. pg. 3-2)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response There is no hardware platform (e.g. PC, Sun, HP, Mac, etc.) requirement to run the SNAS Client. The SNAS project has a requirement to provide a Client Application that is cross-platform compatible. This is a carry over requirement from SWSI where the Client Application is a Java application that runs on any hardware platform with an operating system (OS) that has a Java Virtual machine. This requirement is also operating system independent. Based upon SWSI minimum hardware requirements only specified 128 MB of RAM and 2 MB of hard drive space. These are just guides for SNAS to work toward. The operations concept for SNAS is that a MOC may have several SNAS Clients up and running. Each SNAS Client is uniquely identified by its IP address, username (logged-in) and operational mode (OPS or EIF).		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared 10/31/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval <p style="text-align: center;"><u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR</p> <p style="text-align: right;">11/17/03 Date</p>		

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 006	3. Review Date July 8, 2003
4. Title Automated System Functions		
5. Action What does automated mean? Is this on the Server side or Client side? Does this mean SARs, UPDs, or just responses to MOC Client actions?		
Reference 4.1.1.3 (Req. pg. 4-1)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response Requirement 4.1.1.3 states "The SNAS shall provide an automated SN interface for scheduling, real-time monitoring and real-time control during active events." The word "automated" will be changed to "interactive". This requirement assures that the clients will be able to monitor the status of events and issue scheduling updates in real-time.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/23/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<i>Signature on file</i> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 007	3. Review Date July 8, 2003
4. Title Simultaneous EIF/OPS Connections		
5. Action What does simultaneous mean? Same window accessing both NCC and a NCC or different windows on the same Client workstation? Will it be possible to have MOC (Client and/or workstation) configurations for the NCC that is different than the OPS SNAS configuration and in use at the same time?		
Reference 4.1.1.7 (Req. pg. 4-1)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response "Simultaneous" in Req. 4.1.1.7 means that a user can access the NCC and the ANCC from the same client workstation. The details of how this will work will be decided in the design phase. Currently for SWSI, this is selected as the mode, either OPS or EIF at program initiation. If the implementation is the same in SNAS, then a separate window will be required for each mode. Note that there will be separate databases for operations and test modes, allowing separate settings (SSCs, user accounts, etc.) for each mode.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/23/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<i>Signature on file</i> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 008	3. Review Date July 8, 2003
4. Title SNAS Client User IDs		
5. Action Need further details on User IDs and levels of access from both SNAS admin and Client MOCs. Do Clients have any Admin levels, different access (SIC) capabilities, multiple logons ID per MOC with different capabilities and levels of access (same as current UPS users capabilities)? Can Clients have separate scheduling and real-time User IDs?		
Reference 4.1.1.10 (Req. pg. 4-1)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response Each account will be issued to an individual user for security purposes. A user may have more than one account and multiple users may have accounts with the same permissions. A user account is not tied to a client system, allowing different users to access SNAS via the same client system. Must have a separate account (group accounts are not allowed). The customer should provide a list of users requiring access, to include full user name, company, mission, name, geographic location, phone number, and email address. Also for each user, indicate whether they are allowed Mission Manager privileges. This allows the user to edit the initial SSC parameter values.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 009	3. Review Date July 8, 2003
4. Title Vector Imports from File		
5. Action Importing from a file needs a defined format? What are you envisioning for the form of the imported data? Is it the assumption that a data file will be developed on the Client machine and it is the responsibility of the customer to create this file in a TBD format? What level of MOC Client input will be gathered on the definition of the file format?		
Reference		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberger@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response SNAS shall provide the user with the capability to import state vector files and transmit them to the NCC and/or DAS. The state vector files must conform to the Improved Interrange Vector (IIRV) format defined in Section 9.5 of 451-ICD-NCCDS/MOC. The user will not have any input on the format. This will be reflected in the SNAS System Requirements Document. SNAS shall also provide the user with the capability to directly enter IIRVs. This will also be reflected in the SNAS System Requirements Document. It is the customer's responsibility to create and/or import the IIRV files. Sections of SRD affected: 4.1.2.1.4 Allow the customer to import state vectors in an IIRV format and forward them to NCCDS and/or DAS, depending on which system(s) are used to support that customer platform. Add new requirement in Section 4.1.2 that states, "The SNAS shall provide the user with the capability to directly enter IIRVs."		
9. Response By/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2215/ mailto:Bernadette.Tucker@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval		
<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR		<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 012	3. Review Date July 8, 2003
4. Title Expected Schedule Requests		
5. Action Define "expected". How will SNAS or Client know what is expected?		
Reference 4.1.3.1.1.c.3 (Req. pg. 4-4)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response This requirement (4.1.3.1.1.c.3) is in reference to generating Replacement Requests based on confirmed events, TSW information, TUT information, and user-defined patterns containing schedule request prototypes. A user would "expect" a scheduled event for each Replacement Request. An explanation is provided for every request not scheduled. If, for example, a defined pattern requires coverage during two consecutive passes and this is not possible with the given TSW/TUT information; then the report would show that this RR was not generated and provide an explanation.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 013	3. Review Date July 8, 2003
4. Title Schedule Imports from File		
5. Action Importing from a file needs a defined format? What are you envisioning for the form of the imported data? Is it the assumption that a data file will be developed on the Client machine and it is the responsibility of the customer to create this file in a TBD format? What level of MOC Client input will be gathered on the definition of the file format?		
Reference 4.1.3.1.1.d (Req. pg. 4-4)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberger@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response All of the schedule request messages must conform to the format defined in Section 7 of 450-ICD-NCCDS/MOC. The user will not have any input on the format. This will be reflected in the SNAS System Requirements Document. It is the customer's responsibility to create and/or import the files. Sections of SRD affected: 4.1.3.1.1.d The SNAS shall provide the customer with the capability of accepting and processing externally generated (batch) schedule requests, including SARs, ASARs, RRs, SDRs, and WLRs. All of these message formats are defined in 450-ICD-NCCDS/MOC.		
9. Response By/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2215/ mailto:Bernadette.Tucker@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval <div style="text-align: center;"><u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR</div> <div style="text-align: right;">10/23/03 Date</div>		

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 014	3. Review Date July 8, 2003
4. Title Logon Information		
5. Action Will the Client be able to logon to single/multiple specific SICs from a authorized list? Will an "ALL" option be available on logon to select all authorized SICs?		
Reference 4.1.3.1.1.e (Req. pg. 4-4)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response Yes, any combination of SICs or all SICs may be selected from the authorized list. This will be reflected in the SNAS System Requirements Document. Sections of SRD affected: 4.1.3.1.1.e Based on the customer's login information, the SNAS shall provide the customer with the capability to select any combination of SICs to be used in the request from a list of SICs for which the customer is authorized.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments See page 6-5 of SWSI User's Guide. Requirement as currently written refers to SUPIDENs but actually should refer to SICs as in the above correction.		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 015	3. Review Date July 8, 2003
4. Title Textual/Tabular Display		
5. Action Does textual mean tabular?		
Reference 4.1.3.1.1.g.1 (Req. pg. 4-4)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response Textual displays will include tabular information (anything that is displayed as numerical or textual information). The format of this information will be decided during the design phase of the project. The term "textual" display is used in contrast with "graphical" display. A graphical display will convey information to the user via the appearance of the display using shapes and colors, not strictly the alphanumeric content, i.e., timelines.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/23/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 016	3. Review Date July 8, 2003
4. Title Simultaneous Display		
5. Action Will the tabular display be full screen?		
Reference 4.1.3.1.1.g.2 (Req. pg. 4-4)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response This is a design question, which will be deferred until Critical Design Review.		
9. Response By/Organization/Telephone No./E-mail		Date Prepared
10. Originator Contacted	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date
11. Disposition	<input type="checkbox"/> Open <input checked="" type="checkbox"/> Deferred <input type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments This will be tracked as a SNAS CDR RFA.		
13. Approval		
<p style="text-align: center;">_____</p> <p style="text-align: center;">Caren Giovannini, Chairperson SNAS SRR</p>		<p style="text-align: center;">_____</p> <p style="text-align: center;">Date</p>

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 017	3. Review Date July 8, 2003
4. Title Textual/Tabular Display Options		
5. Action What will the tabular/textual display include? How will the data be organized? What options will the client have to change the way the data is viewed/listed.		
Reference 4.1.3.1.1.g.3 (Req. pg. 4-4)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response This is a design question, which will be deferred until Critical Design Review.		
9. Response By/Organization/Telephone No./E-mail		Date Prepared
10. Originator Contacted	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date
11. Disposition	<input type="checkbox"/> Open <input checked="" type="checkbox"/> Deferred <input type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments This will be tracked as a SNAS CDR RFA.		
13. Approval	_____	_____
	Caren Giovannini, Chairperson SNAS SRR	Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 018	3. Review Date July 8, 2003
4. Title Display Timelines		
5. Action Timelines need to be read from Left to Right. This is more or less standard.		
Reference 4.1.3.1.1.g.4 (Req. pg. 4-4)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response The timelines will read from left to right. The SRD will be changed as noted below. Section of SRD affected 4.1.3.1.1.g.4 will be changed to: The graphical display shall present information in horizontal timelines with the earlier time at the left of the timeline and the later time to the right of the timeline.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 019	3. Review Date July 8, 2003
4. Title Graphical Display		
5. Action Can Potential / Actual conflicts also be displayed.		
Reference 4.1.3.1.1.g.5.5 (Req. pg. 4-4)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response The SNAS client does not have a requirement to display "conflict" information. The SN recommends that users provide flexible schedule options as part of their requests to facilitate optimum scheduling of the SN resources and limit the number of potential conflicts. The next version of the SNAS SRD will include necessary requirements to allow SNAS users the flexibility of viewing NCCDS and DAS services concurrently toward this end. See RFA #63 response for more details..		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 020	3. Review Date July 8, 2003
4. Title Graphical Display Timelines		
5. Action How many timelines can be displayed at one time? Are timelines based on TDRSs or Client Supiden / SIC? Does the Client have any options on how timelines are viewed?		
Reference 4.1.3.1.1.g.6/7 (Req. pg. 4-5)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response The only current requirement for the number of timelines is the ability to present at least 5 TDRSs or TDRS sets in a single viewable area. Further details on the display of the timelines will be addressed in lower level specification documents. Requirements 4.1.3.1.1.g.7.1 through 4.1.3.1.1.g.7.3 state that either TDRS or SIC may be the reference for the timeline. Requirements 4.1.3.1.1.g.7.1 through 4.1.3.1.1.g.7.3 addresses the options for timeline organization. Further details on graphical presentation and possible client configuration will be addressed in lower level specification documents.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/23/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 021	3. Review Date July 8, 2003
4. Title Parameter Verification		
5. Action What level of parameter verification will be defined by the Client/Mission.		
Reference 4.1.3.1.2.b (Req. pg. 4-6)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response The SRD currently addresses system and Space Network imposed parameter validation (4.1.3.1.2.b). Mission specific rules as well as implementation of the system validation rules will be handled in the lower level specification documents.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/23/03
10. Originator Contacted	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 022	3. Review Date July 8, 2003
4. Title Minimum Service Duration		
5. Action Define what is nominal service duration. Does this define only total service duration and not service start/stop times within an event? A service could start only seconds after the event start or another service start time (i.e. return service starts T0 + 16 secs, while tracking starts T0 + 17 secs).		
Reference 4.1.3.1.3.b (Req. pg. 4-6)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2215/ mailto:Bernadette.Tucker@itt.com		Due Date
8. Response The nominal service duration, expressed as HHMMSS, is used in conjunction with the nominal service start time. The nominal service start time is specified relative to an event start or start time of another service, such that the nominal service duration refers to a single service within an event. The SNAS will allow the user to specify nominal and minimum service durations for each service. The minimum service duration allows the user to specify that a service may be scheduled with duration less than its specified nominal duration. Each service duration requested must be at least one minute. Per 451-ICD-NCCDS/MOC, it is required that a service start time and service duration must be specified for all services.		
9. Response By/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2215/ mailto:Bernadette.Tucker@itt.com		Date Prepared 10/28/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 023	3. Review Date July 8, 2003
4. Title Delete Display Options		
5. Action What type of display filters will the Client have available? Currently, my users can filter schedules (besides just Time, SIC, TDRS) based on: untransmitted, spooled w/o result, spooled w/result, confirmed, rejected and declined.		
Reference 4.1.3.1.4.b (Req. pg. 4-7)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response This is a design question, which will be deferred until Critical Design Review.		
9. Response By/Organization/Telephone No./E-mail		Date Prepared
10. Originator Contacted	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date
11. Disposition	<input type="checkbox"/> Open <input checked="" type="checkbox"/> Deferred <input type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments This will be tracked as a SNAS CDR RFA.		
13. Approval _____ Date Caren Giovannini, Chairperson SNAS SRR		

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 024	3. Review Date July 8, 2003
4. Title Delete Display Options DUPLICATE		
5. Action What type of display filters will the Client have available? Currently, my users can filter schedules (besides just Time, SIC, TDRS) based on: untransmitted, spooled w/o result, spooled w/result, confirmed, rejected and declined.		
Reference 4.1.3.1.4.b (Req. pg. 4-7)		
6. Originator/Organization/Telephone No./E-mail Michael Trapp/ LMTO/ 301.286.1937 mailto:michael.d.trapp@lmco.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN 452/ 301.286.1557/ mailto:joe.stevens@nasa.gov	Due Date	
8. Response See CCR 452/107-023		
9. Response By/Organization/Telephone No./E-mail Jen Clark/PAAC-II/SGT Inc./301.286.6269/ jclark@pop400.gsfc.nasa.gov		Date Prepared 08/20/2003
10. Originator Contacted	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	_____ Caron Gioannini, Chairperson SNAS SRR	_____ Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 025	3. Review Date July 8, 2003
4. Title Minimum Service Duration		
5. Action Define what is nominal service duration. Does this define only total service duration and not service start/stop times within an event? A service could start only seconds after the event start or another service start time (i.e. return service starts T0 + 16 secs, while tracking starts T0 + 17 secs).		
Reference 4.1.3.1.5.D (Req. pg. 4-7)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2215/ mailto:Bernadette.Tucker@itt.com		Due Date
8. Response The nominal service duration, expressed as HHMMSS, is used in conjunction with the nominal service start time. The nominal service start time is specified relative to an event start or start time of another service, such that the nominal service duration refers to a single service within an event. The SNAS will allow the user to specify nominal and minimum service durations for each service. The minimum service duration allows the user to specify that a service may be scheduled with duration less than its specified nominal duration. Each service duration requested must be at least on minute. Per 451-ICD-NCCDS/MOC, it is required that a service start time and service duration must be specified for all services.		
9. Response By/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2216/ mailto:Bernadette.Tucker@itt.com		Date Prepared 10/28/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 026	3. Review Date July 8, 2003
4. Title Replace Limits		
5. Action Will there be any limits on the time shifting for the replace requests. Currently, UPS allows the user to time-shift (replace) a schedule only within a 1-2 hour window. NCC has no such limits.		
Reference 4.1.3.1.5 (Req. pg. 4-7)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response There will not be a hard rule imposed on the replacement requests. The 1-2 hour window in UPS was there to ensure that the replacement command information was not "lost" if it was too far away from the original and exceeded the display limit. Implementation of the system may set a similar constraint but it is not a system level requirement.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 027	3. Review Date July 8, 2003
4. Title Minimum Service Duration		
5. Action Define what is nominal service duration. Does this define only total service duration and not service start/stop times within an event? A service could start only seconds after the event start or another service start time (i.e. return service starts T0 + 16 secs, while tracking starts T0 + 17 secs).		
Reference 4.1.3.1.6.d (Req. pg. 4-8)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2215/ mailto:Bernadette.Tucker@itt.com		Due Date
8. Response The nominal service duration, expressed as HHMMSS, is used in conjunction with the nominal service start time. The nominal service start time is specified relative to an event start or start time of another service, such that the nominal service duration refers to a single service within an event. The SNAS will allow the user to specify nominal and minimum service durations for each service. The minimum service duration allows the user to specify that a service may be scheduled with duration less than its specified nominal duration. Each service duration requested must be at least on minute. Per 451-ICD-NCCDS/MOC, it is required that a service start time and service duration must be specified for all services.		
9. Response By/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2216/ mailto:Bernadette.Tucker@itt.com		Date Prepared 10/28/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 028	3. Review Date July 8, 2003
4. Title Schedule Results Files		
5. Action What is meant by "active events"? The Client should be able to store in a file all non-deleted Client Schedules (current, forecast, active, or past). What control/filters will the Client have in the creation of these files? Will all these files be exportable?		
Reference 4.1.3.2.1 (Req. pg. 4-9)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberger@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response Active events are events in the active schedule at the current time and continuing for 7 to 14 days into the future. The SNAS client will allow the user to save an active schedule summary to a file. The location of the output file will be set by the user through a standard file chooser. The client will be able to select to view only NCC or DAS events or switch to viewing all events. Events are initially sorted by start time. Data can be resorted by the client. Additionally, the client will be able to view the service details of an event, replace an event that is not already pending deletion or replacement, and delete an event that is not already pending deletion or replacement. The SNAS client will also have the capability to automatically store (export) a file containing all information for an active schedule. The location of the output file will be set by the user through configurable property.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 029	3. Review Date July 8, 2003
4. Title User Schedule Messages		
5. Action Is there a concept of generic USMs (added by the NCC, not the client)?		
Reference 4.1.3.2.3 (Req. pg. 4-9)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response No, there is no concept of generic USMs, added by the NCCDS or the Customer. USM formats are described in detail in Section 7.3 of the NCCDS/MOC ICD. Note that it is not in the current vision of the SNAS operations concept that SNAS provide NCCDS-formatted USMs to the Customer. SNAS, however, will be capable of providing the information contained in USMs, just not in same format currently provided by the UPS.		
9. Response By/Organization/Telephone No./E-mail Earl Bartlett/ ITT/ 301.809.2203 mailto:earl.bartlett@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 030	3. Review Date July 8, 2003
4. Title Additional GCMRs		
5. Action Will there be a process to add GCMRs (i.e., Polarization Change Requests).		
Reference 4.1.3.3.1.a (Req. pg. 4-9)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response No, there will not be a process to add GCMRs. The available GCMRs, supported by the NCCDS, are defined in 451-ICN-NCCDS/MOC. However, the particular GCMR cited in this RFA (polarization change request) is supported by the NCCDS. Please refer to Section 8 in 451-ICD-NCCDS/MOC for more details. See Tables 8-6, 8-7, 8-9, and 8-10 in 451-ICD-NCCDS/MOC.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 031	3. Review Date July 8, 2003
4. Title Automatic GCMRs		
5. Action Will the Client have the capability to have automatic GCMRs sent (i.e. DCI) My Client currently has this capability. The use of this capability allows the real-time operator more reliability and reduces human errors.		
Reference 4.1.3.3.1.a (Req. pg. 4-9)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response No, the SNAS Client will not have the capability to monitor operational data and automatically perform a real-time operational action. The capability to import a GCMR will be added as a requirement in the SNAS SRD. It is the MOC's responsibility to monitor operational data and perform real-time operational action. [Related to 32]		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared 10/31/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 032	3. Review Date July 8, 2003
4. Title Canned GCMRs		
5. Action Will the Client have the capability to create modifiable Canned GCMRs for each Supiden. My Client currently has this capability. The use of this capability allows the real-time operator more reliability and reduces human errors.		
Reference 4.1.3.3.1 (Req. pg. 4-9)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response No, the capability to create modifiable canned GCMRs for each SUPIDEN is not currently envisioned for the SNAS Client. No requirement will be added to support this feature. [Related to 31]		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared 10/31/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 033	3. Review Date July 8, 2003
4. Title Edit/Retransmit GCMRs		
5. Action Will the Client have a log of previously sent GCMRs? Will the Client have the capability to edit and/or re-transmit previously sent GCMRs?		
Reference 4.1.3.3.1.e (Req. pg. 4-10)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response The SNAS Client will have an alert history of previously sent GCMRs. The alert history is not editable. No, the capability to edit and/or re-transmit previously sent GCMRs is not envisioned for SNAS.		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared 10/31/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 034	3. Review Date July 8, 2003
4. Title Log GCM Disposition Messages		
5. Action Will the Client have a history of GCM Disposition Messages		
Reference 4.1.3.3.4 (Req. pg. 4-11)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response The SNAS Client will have an alert history of GCM Disposition Messages. [Related to 31-33]		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared 10/31/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 035	3. Review Date July 8, 2003
4. Title Separate Real-time Application and SNAS		
5. Action Can the MOC Client use SNAS for Scheduling activities and the Client's current proprietary real-time application simultaneously? Is the reverse possible, can the MOC Client use SNAS for real-time activities and the Client's current UPS/scheduling application simultaneously?		
Reference 4.1.3.3 (Req. pg. 4-9)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response The MOC customer can use the SNAS Client for Scheduling Only and a separate real-time application simultaneously. The reverse is also possible. The configuration of such an operation will have to be coordinated with the WSC O&M personnel? There may be higher-level implication to the SN by operating in such a configuration.		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared 10/31/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 3/4/04
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<p style="text-align: center;"><u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR</p> <p style="text-align: right;">_____ Date</p>	

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 037	3. Review Date July 8, 2003
4. Title User Performance Data Message Displays		
5. Action Will UPD messages be sent to more than on MOC Client (at different TCP ids) if more than on MOC Client is authorized for the SUPIDEN/SIC and logged in?		
Reference 4.1.3.4.2.b (Req. pg. 4-11)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response Yes, UPD messages will be sent to all SNAS Clients with permissions to SUPIDEN/SIC. Section of SRD affected 4.1.3.4.2.b will be changed to: SNAS shall make the information from the UPD message available for presentation to any logged-on Client machine(s) with permissions to the referenced SUPIDEN/SIC in real-time.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 038	3. Review Date July 8, 2003
4. Title Stale UPD Messages		
5. Action What about stale UPD messages? What about repetitive UPD error (out of limits) messages?		
Reference 4.1.3.4.2.c.2 (Req. pg. 4-12)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response Stale UPD messages are just that, stale. SNAS is a bent pipe for displaying UPD messages. SNAS will only display what the NCCDS and DAS sends. UPD messages that contain parameters that are out of limits are shown as such.		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared 10/31/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 039	3. Review Date July 8, 2003
4. Title Customized UPD Displays		
5. Action How much control will Client have over customized display formats? Can information for both forward and return services for the same SIC be combined into a single window? What process is envisioned that would permit a customer to customize display formats?		
Reference 4.1.3.4.2.c.4 (Req. pg. 4-12)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response Customized UPD Display is not part of the SNAS operations concept. There is no plan to provide customized UPD displays.		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared 10/31/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 040	3. Review Date July 8, 2003
4. Title Customized UPD Display Alerts		
5. Action Will the Client be able to define audible alarms when limits are reached? What control over the filters/levels of limits will the Client have in parameter checking		
Reference 4.1.3.4.2.c.5 (Req. pg. 4-12)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response Customized UPD Display alerts are not part of the SNAS operations concept. Audible alerts for UPDs are beyond the scope of SNAS. Limits and tolerances are configurable by the MOC customer.		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared 10/31/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 041	3. Review Date July 8, 2003
4. Title Replay UPD Displays		
5. Action Will the Client be able to replay a UPD stream?		
Reference 4.1.3.4.2.c.6 (Req. pg. 4-12)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response The SNAS Client will not have a requirement to replay UPD streams. UPD messages are real-time messages. The ability to replay UPD streams is beyond the scope of SNAS since the messages do not originate within the SNAS system. UPD messages originate within the NCCDS and DAS. If the NCCDS or DAS has the ability the replay a UPD stream, then the SNAS servers would display the UPD messages at the SNAS Client.		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared 10/31/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 042	3. Review Date July 8, 2003
4. Title Vector Numbering System		
5. Action Can SNAS implement a vector numbering system beyond date and time?		
Reference 4.1.3.5.4 (Req. pg. 4-13)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response This is a design question, which will be deferred until Critical Design Review.		
9. Response By/Organization/Telephone No./E-mail		Date Prepared
10. Originator Contacted	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date
11. Disposition	<input type="checkbox"/> Open <input checked="" type="checkbox"/> Deferred <input type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments This will be tracked as a SNAS CDR RFA.		
13. Approval		
<p style="text-align: center;">_____</p> <p style="text-align: center;">Caren Giovannini, Chairperson SNAS SRR</p>		<p style="text-align: center;">_____</p> <p style="text-align: center;">Date</p>

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 043	3. Review Date July 8, 2003
4. Title Deleting Old Vectors		
5. Action The MOC Client needs to allow the user to delete selected IIRVs from the database		
Reference 4.1.3.5.9 (Req. pg. 4-13)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response The operations concept of purging any data from the SNAS database is a coordinated operations activity with the WSC O&M personnel. No SNAS Client application is allowed to delete anything from the SNAS database. [See RFA 046]		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared 10/31/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 044	3. Review Date July 8, 2003
4. Title Edit/Retransmit Previous Vectors		
5. Action Will Client be able to modify/copy and retransmit previous vectors?		
Reference 4.1.3.5.9 (Req. pg. 4-13)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response Yes, the client will be able to edit and retransmit previous vectors. This will be reflected in the SNAS System Requirements Document. Sections of SRD affected 4.1.3.5.9 The SNAS shall provide the customer with the capability to display and or retransmit previously transmitted IIRVs.		
9. Response By/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2215/ mailto:Bernadette.Tucker@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 045	3. Review Date July 8, 2003
4. Title TDRS Ephemeris Retrieval		
5. Action Besides Client Vectors, can SNAS provide access to TDRS ephemeris/vectors (TLE & FDF)		
Reference 4.1.3.5 (Req. pg. 4-13)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response The operations concept of SNAS is that only NASA/FDF IIRV vectors will be supported. The MOC will be responsible for converting other types of ephemerides to the required format.		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared 10/31/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 046	3. Review Date July 8, 2003
4. Title Automatic Purging of Old Data		
5. Action What control will the Client have over the automatic purging of Client data on SNAS Servers? What control will the Client have over the automatic purging of data on Client Workstations:		
Reference 4.1.5.1.11 (Req. pg. 4-17)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Denise Gilliland/ ITT/ 301.809.2205/ mailto:denise.gilliland@gsfc.nasa.gov		Due Date
8. Response The Client has total control over client data that resides on their host machine. Client data includes, for example; log files, active schedule, vector files, UPD logs, etc. (Refer to RFA 1 for further definition of "client data"). No client application is allowed to delete anything from the SNAS database. Their limited control of their data residing on the SNAS servers is via the WSC operators. This is a security precaution. Automatic purging should be coordinated with the WSC SNAS Database Administrator (DBA). This will be documented in the SNAS OCD and/or the security plan		
9. Response By/Organization/Telephone No./E-mail Denise Gilliland/ ITT/ 301.809.2205/ mailto:denise.gilliland@gsfc.nasa.gov		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 047	3. Review Date July 8, 2003
4. Title Incoming/Outgoing messages		
5. Action Will there be a single fulltime on-screen display log that contains a list/history of external messages (incoming/outgoing) and alerts? Will the Client display contain a (client clearable) numerical counter of new log messages? Both items mentioned above are part of the current UPS implementation.		
Reference 4.1.6.1.1 (Req. pg. 4-18)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response There is no on-screen display log for the NCCDS and DAS messages as they are received. Instead, these messages are automatically stored in a log file on the client workstation to a user specified location. However, an alert display will be provided, allowing the user to monitor real-time alerts and notices of received messages. The SNAS client display will not contain a (client clearable) numerical counter of new log messages. Again, these messages are not displayed to the user.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 048	3. Review Date July 8, 2003
4. Title Logging Functions (Reports)		
5. Action With Oracle being the database application being used. Will it be possible to allow a MOC Client to search and create reports of Client data with standard SQL commands?		
Reference 4.1.6 (Req. pg. 4-18)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Denise Gilliland/ ITTT/ 301.809.2205/ mailto:denise.gilliland@gsfc.nasa.gov		Due Date
8. Response Regardless of the database application used, MOCs will not be allowed to create/issue/send SQL commands to the SNAS server database. This will be documented in the SNAS OCD and/or the security plan.		
9. Response By/Organization/Telephone No./E-mail Denise Gilliland/ ITTT/ 301.809.2205/ mailto:denise.gilliland@gsfc.nasa.gov		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 049	3. Review Date July 8, 2003
4. Title Configuration Management		
5. Action What form of S/W and H/W Configuration Management (CM) is being used? Current MOC DRs (Discrepancy Report) and NCC TTRs are written to expose RMA issues and S/W and H/W upgrades are tested, fixed and promoted. Furthermore, a CM RFC (Request For Change) process for user specified improvements also needs to be addressed.		
Reference 6.3 (Req. pg. 6-2)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response This is not requirements issue. However, how the project will control CM is defined in the PMP and governed by 450-PG-1410.2.1, "Mission Services Program Configuration Management Procedure." The implementation process is left to the discretion of the PDL. Prior experience has shown that integrating a RFC-like function fits well within the established CM framework.		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared
10. Originator Contacted	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input type="checkbox"/> Closed <input checked="" type="checkbox"/> Withdrawn	
12. Comments		
13. Approval _____ Date Caren Giovannini, Chairperson SNAS SRR		

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 050	3. Review Date July 8, 2003
4. Title Client User ID Management		
5. Action Will the MOC Client Lead User ID have control to manage other MOC Client logon IDs and passwords?		
Reference 7.2.2.3 (Req. pg. 7-2)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Denise Gilliland/ ITTT/ 301.809.2205/ mailto:denise.gilliland@gsfc.nasa.gov		Due Date
8. Response The Client Lead Userid is referred to as the Mission Manager account. The Mission Manager does not have control of the client userids and passwords. This is a SNAS server DBA function. Accounts are managed from WSC. This is the ops concept. This will be documented more clearly in the SNAS OCD.		
9. Response By/Organization/Telephone No./E-mail Denise Gilliland/ ITTT/ 301.809.2205/ mailto:denise.gilliland@gsfc.nasa.gov		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 051	3. Review Date July 8, 2003
4. Title RCTDM/TTM Message Files		
5. Action Will there be a text files as well as binaries sent and in what formats? Binaries are hard to decode and specific to hardware platforms/OSs.		
Reference 4.1.2.1.1 (Req. pg. 4-2)		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response Only binary files will be sent. However, a new SNAS Client requirement will be added to the SNAS SRD stating that the Client will be cross-platform compatible (note: "platform" will also be defined at this point in the SRD to mean "computer/workstation/operating system"). This will ensure that the binary files will be stored in the host platform's native format.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 052	3. Review Date July 8, 2003
4. Title TRMM Requires USMs to be Forwarded (in 451-ICD-NCCDS/MOC format) to an External System		
5. Action Action: There does not appear to be any requirement in SNAS to provide for the forwarding of USM to an external scheduling system. TRMM has always used the MOPSS system and requires USMs, in the above format, to keep synch with NCCDS. Further, USM are used for our daily load generation activity. Stating the obvious, this is a showstopper if ever there was one. As such, any deviation or loss of an existing capability would have a harmful effect on TRMM operations. Funding (and time) to mitigate such an omission (by re-writing MOPSS or converting SNAS USM report to ICD format) is not available.		
Reference		
6. Originator/Organization/Telephone No./E-mail Lou Kruzmilller/ TRMM FOT Mgr/ 428.1/ 301.614.5221/ mailto:lkurzmil@pop500.gsfc.nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2215/ mailto:Bernadette.Tucker@itt.com		Due Date
8. Response The SNAS requirements do not include providing NCCDS-formatted data to the user. The SNAS client, however, will be capable of providing the information contained in USMs via the active schedule file. This file is a processed summary of the USM files and is transmitted to SNAS users in an easier ingestible format. Although SNAS is providing an additional benefit to the user by providing an easier ingestible summary file, it is recognized that existing projects have developed software systems dependent on the NCCDS format. Therefore, in order to better understand the potential impact to SN Customers, it is requested that the affected SN Customer Project provide an impact assessment through the Project's NASA management to the SNAS Product Manager. This assessment should: (1) briefly describe the Customer system modifications that would be needed to accommodate not receiving NCCDS-formatted message and (2) provide the cost to the Customer for the implementation of these modifications. In order to have sufficient time to potentially factor in new SNAS requirements prior to the start of the SNAS design phase, it is requested that Customer impact assessments be completed and provided to the SNAS Product Manager by January 30, 2004.		
9. Response By/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2215/ mailto:Bernadette.Tucker@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval <p style="text-align: center;"><u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR</p> <p style="text-align: right;"><u>12/29/03</u> Date</p>		

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 054	3. Review Date July 8, 2003
4. Title The Format of Reports Should Conform to Existing UPS Format		
5. Action At the SRR, I understood it that SNAS will create reports (on cyclical basis?) without regard to current mission requirements. TRMM has s/w (developed in conjunction with UPS project), which processes our UPS-created reports. Should SNAS create a new report function the question we have is will this meet our need and what is the impact on getting a reliable product? This could have severe consequences to the FOT (internal) and externally to other users (primarily TSDIS). The existing report effort must be adversely affected. Once again, funding (and time) to mitigate such an omission is not available.		
Reference		
6. Originator/Organization/Telephone No./E-mail Lou Kruzmillier/ TRMM FOT Mgr/ 428.1/ 301.614.5221/ mailto:lkurzmil@pop500.gsfc.nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response The SNAS server will receive information on a cyclical basis from the NCCDS and/or DAS as frequently as every 60 seconds. In the event that there is a change, this transmission rate will be superseded. Consequently, the data available to the TRMM FOT will always be current. The SNAS client will be able to generate and send reports at will and completely independent of WSC administrators. However, any type of automation of report generation and transmission is outside of the scope of SNAS. The SNAS requirements do not include providing UPS-formatted reports to the user. Confirmed events, as well as, other information will be accessible in generating user-configurable reports; however, a specific UPS format is not guaranteed. To better understand the potential impact to SN Customers, it is requested that the affected SN Customer Project provide an impact assessment through the Project's NASA management to the SNAS Product Manager. This assessment should: (1) briefly describe the Customer system modifications that would be needed to accommodate not receiving UPS-formatted reports and (2) provide the cost to the Customer for the implementation of these modifications. In order to have sufficient time to potentially factor in new SNAS requirements prior to the start of the SNAS design phase, it is requested that Customer impact assessments be completed and provided to the SNAS Product Manager by January 30, 2004.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval <i>Signature on file</i> Caren Giovannini, Chairperson SNAS SRR		<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 055	3. Review Date July 8, 2003
4. Title Not Certain of the SNAS Intention to Cease Support of 451-ICD-NCCDS/MOC Formatting		
5. Action While the existing formatting (SRM, USM, etc.) may be difficult for human consumption they are intended as interface messages between computers. Wouldn't it be easier, faster, and more reliable to incorporate the existing system into SNAS? Once again, the funding issue comes into play as well as the factor of realtime operations. We cannot afford downtime due to an avoidable issue not being honored. This being said the TRMM FOT welcomes a chance to upgrade to a newer system. Why tempt unnecessary and preventable negative consequences?		
Reference		
6. Originator/Organization/Telephone No./E-mail Lou Kruzmillier/ TRMM FOT Mgr/ 428.1/ 301.614.5221/ mailto:lkurzmil@pop500.gsfc.nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response The SNAS requirements do not include providing NCCDS-formatted messages to the user. In order to better understand the potential impact to SN Customers, it is requested that the affected SN Customer Project provide an impact assessment through the Project's NASA management to the SNAS Product Manager. This assessment should: (1) briefly describe the Customer system modifications that would be needed to accommodate not receiving UPS-formatted reports and (2) provide the cost to the Customer for the implementation of these modifications. In order to have sufficient time to potentially factor in new SNAS requirements prior to the start of the SNAS design phase, it is requested that Customer impact assessments be completed and provided to the SNAS Product Manager by January 30, 2004.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 057	3. Review Date July 8, 2003
4. Title DAS Service Scheduling Support		
5. Action Does DAS support TDRS Views to the user, for the following: (S-Band, K-Band, Multiple Access)? How often are updates to the user, and how often does DAS sample each vehicle's position? DAS Service Scheduling supposedly supports Modification, Deletion, of an ongoing event. Does DAS allow Rescheduling via the REPLACE option, and can it be designed to look at the User's TSW, against the TUT, for SAR Generation? The term: TUT = TDRS Unscheduled Time; TSW = TDRS Scheduling Window; SSP and ISS would run into problems using DAS, because of the limited 96hr Scheduling Window. SSP and ISS sometimes look ahead 7-10 days into the future.		
Reference		
6. Originator/Organization/Telephone No./E-mail Meredith Blottenberger for M. Trapp/ CSC/ 301.286.1933 mailto:mblottenberg@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response These are existing DAS capabilities/requirements over which SNAS has no control. DAS is an external system to SNAS, as is the NCCDS. Questions and/or comments regarding DAS capabilities should be addressed to the MSP Customer Commitment Office.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 058	3. Review Date July 8, 2003
4. Title SNAS Ability to Support Hybrid Mode of Real-Time Monitor/Control or Scheduling Function Interface for Users Who Currently Use Separate Systems or Real-Time And Schedule Functions		
5. Action SNAS design requirements need to incorporate capabilities for customers who only wish to use one functional interface capability of SNAS; e.g. scheduling or real-time monitor/control. Numerous customers currently use separate systems for real-time monitoring/control and scheduling.		
Reference		
6. Originator/Organization/Telephone No./E-mail JoAnn K. Sidotti/ HTSI.CSR/ 301.805.3244/ mailto:joann.sidotti@honeywell-tsi.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response The MOC customer can use the SNAS Client for Scheduling only and a separate real-time application simultaneously. The reverse is also possible. The configuration of such an operation will have to be coordinated with the WSC O&M personnel. There may be higher-level implication to the SN by operating in such a configuration.		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared 10/31/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 3/3/04
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<p style="text-align: center;"><u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR</p> <p style="text-align: right;">_____ Date</p>	

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 059	3. Review Date July 8, 2003
4. Title Ability to Support Dual Destination UPD Interfaces		
5. Action SNAS design requirements need to evaluate how to accommodate dual UPD destinations from NCCDS for users such as JSC and MSFC for ISS.		
Reference		
6. Originator/Organization/Telephone No./E-mail JoAnn K. Sidotti/ HTSI.CSR/ 301.805.3244/ mailto:joann.sidotti@honeywell-tsi.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response The ability to support dual destination NCCDS UPDs is independent of SNAS. If the NCCDS has the ability to send UPDs, then SNAS will display the UPDs to the customer. More than one authorized person can log onto SNAS at the same time for a single mission; therefore, SNAS would not hinder the NCCDS sending UPDs to more than one destination. This is a higher level NCCDS configuration than it is a SNAS requirements issue.		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared 10/31/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 061	3. Review Date July 8, 2003
4. Title Inconsistencies in Schedule Sequence for Reviews and Design Development		
5. Action Re-evaluate schedule in light of NENS contract award and necessity for involvement of implementation contractor in preliminary development of subsystem and detailed design phases prior to PDR. Recommend delaying PDR until implementation contractor has opportunity to develop preliminary detailed design and subsystem requirements for presentation at PDR instead of waiting until CDR.		
Reference		
6. Originator/Organization/Telephone No./E-mail JoAnn K. Sidotti/ HTSI.CSR/ 301.805.3244/ mailto:joann.sidotti@honeywell-tsi.com		
7. Assigned To/Organization/Telephone No./E-mail Earl Bartlett/ ITT/ 301.809.2203 mailto:earl.bartlett@itt.com		Due Date
8. Response The SNAS schedule is being revised, and the schedule revision will be documented in the SNAS PMP that goes before the SN CCB in September or October of 2003. The start of SNAS implementation and SNAS preliminary design is being postponed until the start of the NENS contract. Therefore, the SNAS implementation contractor will indeed be intimately involved in the development of the SNAS subsystem requirements and SNAS preliminary design activities.		
9. Response By/Organization/Telephone No./E-mail Earl Bartlett/ ITT/ 301.809.2203 mailto:earl.bartlett@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 062	3. Review Date July 8, 2003
4. Title Pass Real-time SN Messages to the MOC Telemetry and Command (T&C) System		
5. Action GPM plans automated "lights-out" operations during which all MOC real-time pass operations will be conducted without MOT staff. Real-time SN messages such as the AFN (Acquisition Failure Notification) need to be passed to the MOC T&C system. This will facilitate automation of contingency responses. For example a User Return Reacquisition or Expanded User Frequency Uncertainty GCMR may be automatically requested in response to an AFN. Add requirement to pass SN Event Messages to the MOC T&C System in real-time.		
Reference		
6. Originator/Organization/Telephone No./E-mail Chris Silva/ GPM Code 420/ 301.286.3561/ mailto:csilva@pop400.gsfc.nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response These are external products available through the SNAS client workstation. A separate interface to a MOC T&C system will not be developed as part of SNAS. However, software "hooks" for this purpose will be defined in the lower-level specification during the design phase.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 064	3. Review Date July 8, 2003
4. Title SNAS Schedule Interface with MOC Telemetry and Command (T&C) System		
5. Action <p>GPM will configure the spacecraft downlink based on the SN real-time pass schedule. The plan is to load a single R/T Contact schedule on-board to do this. The schedule would include the required TDRS identification, service type, and service times to allow automated configuration of the GPM C&DH and RF subsystem for each real-time pass.</p> <p>To assure that the spacecraft is aware of schedule changes during periods where the MOC is not staffed, GPM plans to automate schedule uploads. This will require an automated transmission of the "latest" schedule to the MOC T&C system from SNAS.</p> <p>Add requirement to electronically transmit the new schedule to the MOC T&C system immediately following a schedule add, delete, or change activity.</p>		
Reference		
6. Originator/Organization/Telephone No./E-mail Chris Silva/ GPM Code 420/ 301.286.3561/ mailto:csilva@pop400.gsfc.nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response <p>An automatic interchange between the SNAS client and the MOC T&C system is outside the scope of SNAS. It will be the responsibility of the project to develop the interface described in the RFA.</p> <p>We will have a feature in SNAS to query DAS and NCCDS at a user-defined interval for schedule changes and updates. This feature allows for the upload of the current active schedule to the MOC Client whenever a schedule change occurs. The active schedule file will be stored in a user defined directory on the MOC Client host.</p> <p>See RFA 071.</p>		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval		
<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR		<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 065	3. Review Date July 8, 2003
4. Title Automation of GCMR Transmission		
5. Action The SNAS design seems to assume that the MOC side of the interface will be staffed. GPM plans automated "lights-out" operations. SNAS GCMR transmission appears to be an interactive "human in the loop" process. How can SNAS support automated population of required GCMR parameters and transmission to the DSMC? Consider implementing a socket interface with the MOC T&C system that would permit GCMR requests to be sent to SNAS. Since SNAS is knowledgeable of the current schedule, it should be able to automatically populate the GCMR variable parameters that are related to the specific TDRS and service type and then forward the complete GCMR to the DSMC.		
Reference		
6. Originator/Organization/Telephone No./E-mail Chris Silva/ GPM Code 420/ 301.286.3561/ mailto:csilva@pop400.gsfc.nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response A socket interface will be considered; however, security requirements may prevent it from being implemented. SNAS will not have the capability to automatically generate and send GCMRs. This is beyond the envisioned scope of SNAS. However, SNAS will provide "hooks" to allow the MOC to monitor UPDs and import GCMRs. The ability to import GCMRs will be added to the SNAS SRD.		
9. Response By/Organization/Telephone No./E-mail Earl Bartlett/ ITT/ 301.809.2203 mailto:earl.bartlett@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval		
<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR		<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 067	3. Review Date July 8, 2003
4. Title SNAS Upgrade Capability		
5. Action There was discussion of the capability for SNAS to be upgraded to accommodate new functions in the future, specifically Ka-band 650 MHz services and possibly GN scheduling. The SNAS requirements should be reconfirmed to contain such a requirement(s) for the necessary expandability		
Reference		
6. Originator/Organization/Telephone No./E-mail Caren Gioannini/ NASA/WSC/565/ 505.527.7026/ mailto:Caren.C.Gioannini@nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response SNAS is required to comply with 451-ICD-NCCDS/MOC, the NCCDS/MOC ICD. As new services, such as the Ka-band 650 MHz Return service, are added to the ICD (or any document that supercedes the ICD), these changes will be implemented in SNAS. The concept of SNAS support of SN services is based on that of SWSI, which is database-driven and not hard-coded; therefore, addition of new services to SNAS should not result in any significant cost impact.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 068	3. Review Date July 8, 2003
4. Title Field/Input Validation		
5. Action Historically, there has been a LOT of time spent defining what (what isn't) field/input is validated in various SN systems. For example, vector data, ASCII blank vice "0," field dependencies on other fields, etc. SNAS will be no different, and care should be taken to (at least) validate to the level of the current UPS & SWSI systems and this should be reflected in the requirements.		
Reference		
6. Originator/Organization/Telephone No./E-mail Caren Gioannini/ NASA/WSC/565/ 505.527.7026/ mailto:Caren.C.Gioannini@nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response Data validation will be done to at least the same level as the current UPS and SWSI systems. However, detailed validation requirements will be reserved for lower-level requirements documents and not the SNAS System Requirements Document. To be done by either NASA or implementation contractor. See NCC/UPS System Requirements Specification, 1998 (511-4SRD/0196, CSC10030304) sections 1.4.1 through 1.4.6.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<i>Signature on file</i> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 069	3. Review Date July 8, 2003
4. Title Requirements for Client External Interfaces		
5. Action The requirements for external interfaces to the client seem to need clarification. For example, there was discussion of the availability of various SNAS log files that are available to external processes/systems. The format of the log files should probably be specified in the requirements or ICD to allow it to be (easily) imported into other applications rather than the format being left up to the developers to define.		
Reference		
6. Originator/Organization/Telephone No./E-mail Caren Gioannini/ NASA/WSC/565/ 505.527.7026/ mailto:Caren.C.Gioannini@nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response Yes, we will define these formats in lower-level specifications during the design phase.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 070	3. Review Date July 8, 2003
4. Title Automated Message Generation Dependent on UPD Content		
5. Action Clarification should be provided as to whether SNAS really has the capability to automatically send messages depending on contents of the UPD (e.g., SNAS could send a DCI if the UPD content met some defined criteria). It was indicated in the SRR that SNAS could support this.		
Reference		
6. Originator/Organization/Telephone No./E-mail Caren Gioannini/ NASA/WSC/565/ 505.527.7026/ mailto:Caren.C.Gioannini@nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2215/ mailto:Bernadette.Tucker@itt.com		Due Date
8. Response SNAS will not have the capability to automatically generate and send GCMRs. This is beyond the envisioned scope of SNAS. However, SNAS will provide "hooks" to allow the MOC to monitor UPDs and import GCMRs. The ability to import GCMRs will be added to the SRD.		
9. Response By/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2216/ mailto:Bernadette.Tucker@itt.com		Date Prepared 10/28/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 071	3. Review Date July 8, 2003
4. Title Consideration for "Remote Control" for Unattended MOC Operations		
5. Action Some consideration should be given for a capability of 'remote control' of the client to help with transition to unattended MOC operations		
Reference		
6. Originator/Organization/Telephone No./E-mail Caren Gioannini/ NASA/WSC/565/ 505.527.7026/ mailto:Caren.C.Gioannini@nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response The next version of the SNAS SRD will contain a system requirement specifying that software "hooks" will be provided at major interfaces and operational phases. These "hooks" will be identified further in the lower-level specifications during the design phase. It will be the responsibility of the projects to develop software to meet their needs for "unmanned operations". Please refer to RFA 66 for a discussion of security related to such operations.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 072	3. Review Date July 8, 2003
4. Title Client Password Management		
5. Action Password management for the client needs to be examined very carefully to ensure vulnerabilities are minimized		
Reference		
6. Originator/Organization/Telephone No./E-mail Caren Gioannini/ NASA/WSC/565/ 505.527.7026/ mailto:Caren.C.Gioannini@nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response Agreed. Password management will be examined carefully to minimize vulnerabilities. This will be captured as an action.		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared 10/31/03
10. Originator Contacted	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date
11. Disposition	<input type="checkbox"/> Open <input checked="" type="checkbox"/> Deferred <input type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval		
<p style="text-align: center;">_____</p> <p style="text-align: center;">Caren Gioannini, Chairperson SNAS SRR</p>		<p style="text-align: center;">_____</p> <p style="text-align: center;">Date</p>

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 073	3. Review Date July 8, 2003
4. Title DAS/SWSI Lessons Learned		
5. Action The Demand Access System (DAS)/SWSI interface was late in development of the DAS requirements relative to the design lifecycle. This caused many impacts (e.g., schedule, writing of requirements as systems being designed, lack of information contained in the ICD, etc.). As such there are definite improvements that should be considered for the DAS/SNAS interface and should be considered when defining the interface for DAS/SNAS (even those that require modifications to DAS).		
Reference		
6. Originator/Organization/Telephone No./E-mail Caren Gioannini/ NASA/WSC/565/ 505.527.7026/ mailto:Caren.C.Gioannini@nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Earl Bartlett/ ITT/ 301.809.2203 mailto:earl.bartlett@itt.com		Due Date
8. Response Concur. The definition and implementation of the DAS/SNAS interface will take advantage of the lessons learned in the development of the DAS/SWSI interface, and will attempt to address limitations that exist in the current interface. The DAS/SNAS ICD, whose initial draft is based on the current DAS/SWSI ICD, will be modified as necessary as the definition of the DAS/SNAS interface matures during the SNAS design phase. The SNAS implementation staff will work closely with the NENS-WSC DAS O&M staff in the development of the DAS/SNAS interface.		
9. Response By/Organization/Telephone No./E-mail Earl Bartlett/ ITT/ 301.809.2203 mailto:earl.bartlett@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 074	3. Review Date July 8, 2003
4. Title Patterns and Prototypes		
5. Action There are several references to "patterns" and "prototypes" in these requirements. What are patterns and prototypes? Are these things we as users specify, or are they derived based on our usage of the SN system?		
Reference 4.1.3.1.1.b		
6. Originator/Organization/Telephone No./E-mail Bruce K. Butterfield/ Raytheon NPOESS/ 720.858.5146/ mailto:bkbutterfield@raytheon.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response Pattern-based scheduling is a process that allows a user to automatically create a series of SARs, and optionally, a chain of Alternate SARs used for regularly requested TDRS resources. This option generates SARs/Alternate SARs based on TSWs, using a user-defined pattern specifying prototype(s). A Prototype Event (PE) refers to a specific set of Service Specification Codes (SSC) stored in the NCCDS database. An SSC refers to a specific set of parameters that pertain to a specific TDRS service (MA, SSA, KSA, SMA, KaSa, KaSA WB). The SAR or Alternate SAR specifies either a PE or a set of SSCs to be used by the NCCDS to create the requested event. The user is responsible for specifying the mission's exact PE and SSC parameters that are to be stored in the NCCDS database.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 075	3. Review Date July 8, 2003
4. Title Batch Schedule Requests		
5. Action The requirement specifies that the SNAS shall have the capability to accept and process externally generated (batch) schedule requests. How do we users generate batch schedule requests? Is there a SNAS tool to build them, or is there specification in an ICD?		
Reference 4.1.3.1.1.d		
6. Originator/Organization/Telephone No./E-mail Bruce K. Butterfield/ Raytheon NPOESS/ 720.858.5146/ mailto:bkbutterfield@raytheon.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response The SNAS client will allow you to build or import schedule requests. If the schedule is built within the SNAS client, then, SNAS will format to be DAS or NCCDS compatible. If schedule requests are imported, they must follow DAS and/or NCCDS format requirements.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 076	3. Review Date July 8, 2003
4. Title Time Progression		
5. Action The way the requirement reads, time progresses right to left, which is counter to most accepted representations of time, from standard Ghant charts to Microsoft project. I would expect time to progress left to right.		
Reference 4.1.3.1.1.g.4		
6. Originator/Organization/Telephone No./E-mail Bruce K. Butterfield/ Raytheon NPOESS/ 720.858.5146/ mailto:bkbutterfield@raytheon.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response The timelines will read from left to right. The SRD will be changed as noted below. Sections of SRD affected 4.1.3.1.1.g.4 will be changed to: The graphical display shall present information in horizontal timelines with the earlier time at the left of the timeline and the later time to the right of the timeline.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. <i>Review Type</i> SNAS SRR	2. <i>RFA No.</i> CCR 452/107 - 077	3. <i>Review Date</i> July 8, 2003
4. <i>Title</i> Importing Files of TSWs		
5. <i>Action</i> The SNAS will allow users to automatically import files of TSWs. In layman's terms, what is a TSW? Do we define it based on our visibility calculations, or is it provided by the SNAS?		
Reference 4.1.3.1.8		
6. <i>Originator/Organization/Telephone No./E-mail</i> Bruce K. Butterfield/ Raytheon NPOESS/ 720.858.5146/ mailto:bkbutterfield@raytheon.com		
7. <i>Assigned To/Organization/Telephone No./E-mail</i> Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		<i>Due Date</i>
8. <i>Response</i> The TDRS view/orbital data is optionally transformed into TDRS Scheduling Windows (TSW), which may be optionally transmitted to the NCCDS to allow more flexibility in the service support requests. The SNAS will use the TDRS view/orbital data and several user-defined parameters to create one or more sets of TSWs that will be stored in a SNAS database. TSWs are time periods when the user platform is in view of a particular TDRS, with no user-specified anomalies prohibiting the user platform-to-TDRS communication.		
9. <i>Response By/Organization/Telephone No./E-mail</i> Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		<i>Date Prepared</i> 10/10/03
10. <i>Originator Contacted</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Date</i> 10/17/03
11. <i>Disposition</i>	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. <i>Comments</i>		
13. <i>Approval</i>	<i>Signature on file</i> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 078	3. Review Date July 8, 2003
4. Title Storing Active Events		
5. Action The SNAS will store in a file on the client workstation the current active events. Where is the format of this file? I assume I FTP it into my system. Is that a valid assumption?		
Reference 4.1.3.2.1		
6. Originator/Organization/Telephone No./E-mail Bruce K. Butterfield/ Raytheon NPOESS/ 720.858.5146/ mailto:bkbutterfield@raytheon.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response File formats will be documented in lower-level specifications during the design phase. The active event file can be transferred to any other system from the client workstation. The SNAS client will not FTP the file into another system. It is the MOC's responsibility to transfer SNAS output products to other systems if needed. If FTP is the preferred method to transfer products, then the MOC must implement the mechanisms to transfer the active events files or any other SNAS output products to the other systems.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 079	3. Review Date July 8, 2003
4. Title Section 508 Requirements on SNAS		
5. Action Section 508 established standards for technical applications (attached at the end of this form). Java readily supports these standards provided some rules are followed. These rules are given in: http://java.sun.com/docs/books/tutorial/uiswing/misc/access.html IBM also provides guidelines for developing accessible applications: http://www-3.ibm.com/able/guidelines/java/snsjavag.html Both of these sites provide guidelines for testing. Should Section 508 standards be part of the requirements for SNAS?		
Reference		
6. Originator/Organization/Telephone No./E-mail Gerald N. Klitsch/ CSC/ 301.805.3735/ mailto:glkitsch@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response A requirement will be added to state: "SNAS shall adhere to NASA and GSFC policies, guidelines, and procedures relating to Section 508 Compliance." The details of what this involves will be developed and documented in lower level specifications.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval		
<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR		<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 080	3. Review Date July 8, 2003
4. Title Active Scheduling Validation		
5. Action Does SNAS validate Boundary Checking, via (TSW's) TDRS Scheduling Windows ?		
Reference		
6. Originator/Organization/Telephone No./E-mail Michael B. Duffey/ NASA.Cimarron/ 281.853.2276/ mailto:michael.duffey@csconline.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response This is a design question, which will be deferred until Critical Design Review.		
9. Response By/Organization/Telephone No./E-mail		Date Prepared
10. Originator Contacted	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date
11. Disposition	<input type="checkbox"/> Open <input checked="" type="checkbox"/> Deferred <input type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments This will be tracked as a SNAS CDR RFA.		
13. Approval		
<p style="text-align: center;">_____</p> <p style="text-align: center;">Caren Giovannini, Chairperson SNAS SRR</p>		<p style="text-align: center;">_____</p> <p style="text-align: center;">Date</p>

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 081	3. Review Date July 8, 2003
4. Title Client Functionality		
5. Action SNAS supposedly supports DATA / FILE TRANSFERS to / From NCCDS / DAS. 1. Does SNAS have capabilities to retransmit a file of scheduled events back to the users? 2. Does SNAS have any compare capabilities to compare what is present in the DSMC Database and at JSC?		
Reference		
6. Originator/Organization/Telephone No./E-mail Michael B. Duffey/ NASA.Cimarron/ 281.853.2276/ mailto:michael.duffey@csconline.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response SNAS will have the capability upload to the SNAS Client a summary file containing the scheduled events. This is a documented requirement. The function of keeping the SNAS server database and the DSMC/NCCDS database in synch is a WSC O&M procedure.		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared 10/31/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 082	3. Review Date July 8, 2003
4. Title Service Request Scheduling		
5. Action Forecast period request may be created individually or as a series in SNAS, or imported into SNAS from an external source. 1. Importing the data in what Format? 2. How does SNAS notify the customer for Forecast Schedule Request? We need SNAS to transfer the SRM's, and USM's (from NCC) to the User to allow the User to update their status		
Reference		
6. Originator/Organization/Telephone No./E-mail Michael B. Duffey/ NASA.Cimarron/ 281.853.2276/ mailto:michael.duffey@csconline.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response Once a schedule request is transmitted to the NCC, the NCC responds with an SRM indicating that the request has been accepted and queued for processing. Since the request was made during the forecast period, no response will be received as to whether the request was granted or rejected until the NCC performs a batch scheduling run and activates a new schedule. This is typically done on a weekly basis. When that happens, the NCC will send an SRM indicating whether the request was granted or rejected. The SNAS requirements do not include providing NCCDS-formatted data to the user. The SNAS client, however, will be capable of providing the information contained in SRMs and USMs in an easier ingestible format. In order to better understand the potential impact to SN Customers, it is requested that the affected SN Customer Project provide an impact assessment through the Project's NASA management to the SNAS Product Manager. This assessment should: (1) briefly describe the Customer system modifications that would be needed to accommodate not receiving NCCDS-formatted messages and (2) provide the cost to the Customer for the implementation of these modifications. In order to have sufficient time to potentially factor in new SNAS requirements prior to the start of the SNAS design phase, it is requested that Customer impact assessments be completed and provided to the SNAS Product Manager by January 30, 2004.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Giovannini, Chairperson SNAS SRR	<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 083	3. Review Date July 8, 2003
4. Title SNAS Database Functionality		
5. Action JSC needs capabilities to control all Management capabilities of its Mission Databases. Since SNAS is primarily designed as an automated system, JSC would find it very difficult to setup Real-time Mission parameters or make changes in an contingency operation, without quick access to the system for updates. (i.e. JSC needs access to the database functionality). Furthermore, Flight Specific SSC's could not be readily defined if needed on the fly SNAS needs to provide capabilities for the user client to purge any old Scheduling, Orbital or TSW Data. How many SIC ID's will SNAS support? SNAS needs to supply the capabilities to the users for performing Delog operations for all messaging, event creations, deletions, etc.		
Reference		
6. Originator/Organization/Telephone No./E-mail Michael B. Duffey/ NASA.Cimarron/ 281.853.2276/ mailto:michael.duffey@csconline.com		
7. Assigned To/Organization/Telephone No./E-mail Denise Gilliland/ ITTT/ 301.809.2205/ mailto:denise.gilliland@gssc.nasa.gov		Due Date
8. Response See responses to RFA 046 and 048. The customer will not have access to the server dB as discussed in RFAs 046 and 048. However, the SNAS client is envisioned to have the capability to edit the SSCs, which are stored on the SNAS server dB. This is a modification to the OCD (section 4.2.3). Additionally, an SRD requirement will be generated to state such is said above. There will be no limit to the number of SIC I.D.'s that SNAS will support. This will be documented in the SNAS OCD and/or the security plan.		
9. Response By/Organization/Telephone No./E-mail Denise Gilliland/ ITTT/ 301.809.2205/ mailto:denise.gilliland@gssc.nasa.gov		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval		
<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR		<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 084	3. Review Date July 8, 2003
4. Title WOTIS/DSMC Interface Concerns		
5. Action Will SNAS provide access to WOTIS/DSMC or will that continue to be a separate interface?		
Reference		
6. Originator/Organization/Telephone No./E-mail Patricia Johnson/ 428/ 301.614.5094/ mailto:patricia.a.johnson@nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response SNAS will not provide access to WOTIS. WOTIS is a Ground Network element. The scope of SNAS is to cover Space Network elements.		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared 10/31/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	11/17/03 Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 085	3. Review Date July 8, 2003
4. Title Multiple Workstation Access to SNAS Client		
5. Action EOS has an Ops LAN, a support LAN, and a Shadow Ops LAN environment where several P&S workstations and real-time T&C workstations per satellite (Terra, Aqua, Aura) could be used to access NCC & ANCC. Only one workstation per system (P&S and T&C) per S/C will be connected to NCC at any given time (i.e., two connections per S/C = 6). Does each connection require a SNAS Client? The same applies to the ANCC as well – is a separate SNAS Client needed for each system for each S/C? Need more information on how separate user P&S and T&C systems are to connect to NCC and ANCC at the same time.		
Reference		
6. Originator/Organization/Telephone No./E-mail Patricia Johnson/ 428/ 301.614.5094/ mailto:patricia.a.johnson@nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Denise Gilliland/ ITTT/ 301.809.2205/ mailto:denise.gilliland@gsfc.nasa.gov		Due Date
8. Response Connection management of the LANs within SNAS will be documented in the SNAS OCD. A SNAS Client to SNAS Server network connection is identified uniquely by several parameters: userid, SNAS Client IP Address, SNAS Server port number, and user selectable operating mode (Ops: NCC/DAS, EIF: ANCC/DAS Test). SICs are assigned to userids, so one SNAS Client can control multiple SICs. If these 3 LANs that are mentioned are actual physical networks where the IP address subnets are different for each LAN, then a separate SNAS Client would need to be run from a workstation located on each of the LANs. Each of these workstations running the SNAS Client could have access to the NCC or ANCC for a particular spacecraft (i.e. SIC). The SNAS servers maintain and manage the connectivity to the NCC and ANCC independent of the SNAS Client operation. The SNAS Client has no control over this connectivity. The WSC SNAS Operations personnel manage configuration and control of the NCC and ANCC connections. One instance (or invocation) of the SNAS Client can support only the NCC/DAS or ANCC/DAS Test. The SNAS Client does not support simultaneous interaction with the NCC and ANCC for a given instance. Each instance of the Client can support only one operation mode: Ops or EIF. However, each instance of the SNAS Client can be configured to support Planning & Scheduling only, Real-Time only, or both. This information will be added to the OCD. Refer to RFA 7 and 8 for definitions of the different modes of operating (e.g., test, EIF, etc.)		
9. Response By/Organization/Telephone No./E-mail Denise Gilliland/ ITTT/ 301.809.2205/ mailto:denise.gilliland@gsfc.nasa.gov		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval		
<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR		<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 086	3. Review Date July 8, 2003
4. Title SNAS Pattern-based Scheduling		
5. Action Need more information on what capabilities will be in SNAS for pattern based forecast scheduling. Can SNAS handle multiple site view files for S-band, K-band, and TDRS On-board Navigation for each TDRS and handle Rules associated with all three views for Terra for determining the appropriate TDRS contact time span? Terra Scheduling Rules: 2 SN contacts an orbit (Polar, 90 min. orbit), one contact per orbit within S&K-band and TONS in-view, optimum duration 18 minutes, minimum duration 7 min., 40 to 60 min. separation measured from AOS to AOS or LOS to LOS, must use mixture of TDRS for OD (no more than 2 same TDRS contacts in a row except 275),, optimal every 4 th contact be non-coherent with rest as coherent, at least 3 to 4 non-coherent contacts per day, use TDRS 275 when only view available (S-band or MA), cannot have less than 8 to 10 minutes separation between contacts for HGA slewing		
Reference		
6. Originator/Organization/Telephone No./E-mail Patricia Johnson/ 428/ 301.614.5094/ mailto:patricia.a.johnson@nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response SNAS will allow specification of all flexible scheduling features, including service-level tolerances, service coupling and bounding, and service minimum duration. There are requirements (4.1.3.1.1.b and 4.1.3.1.1.e) for user-defined pattern based forecast scheduling in the SNAS SRD. It is envisioned that SNAS will satisfy the needs of the Terra project; however, the actual implementation of these requirements remains a design issue and will be addressed during the design phase.		
9. Response By/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2215/ mailto:Bernadette.Tucker@itt.com		Date Prepared 10/31/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/07/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments The response to this RFA was revised on November 17, 2003 to address comments provided by the originator on November 7, 2003.		
13. Approval <i>Signature on file</i> Caren Gioannini, Chairperson SNAS SRR		<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 087	3. Review Date July 8, 2003
4. Title Performance Concern		
5. Action The performance stated in the SRR was between the Closed Side SNAS Server & NCCDS. Need to know what performance to expect between the Open Side SNAS Server and the SNAS CLIENT. Performance needs to be close to that stated in the NCCDS ICD.		
Reference		
6. Originator/Organization/Telephone No./E-mail Patricia Johnson/ 428/ 301.614.5094/ mailto:patricia.a.johnson@nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response SNAS SRD Requirement 4.2.1.3.1 is being rewritten (see RFA 105) to clarify SNAS performance. Any factors that impact receipt and/or transmission of messages to/from the SNAS client, such as Internet connection, NISN Gateway, NISN lines, etc., are outside the scope of this requirement.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 088	3. Review Date July 8, 2003
4. Title SNAS & NCCDS Messages and Formats with Baseline User		
5. Action Baseline users need the NCCDS messages and formats relayed to the user through SNAS in their current form so as to not affect the user. EOS Planning & Scheduling system needs the SRM, SDN, and USM messages in the format specified in the NCCDS ICD. Any changes to the message formats and response times by SNAS will adversely impact the EOS P&S system and Real-time T&C systems (Eclipse & Epoch 2000) if EOS is to be able to use SNAS.		
Reference		
6. Originator/Organization/Telephone No./E-mail Patricia Johnson/ 428/ 301.614.5094/ mailto:patricia.a.johnson@nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response The SNAS requirements do not include providing NCCDS-formatted data to the user. The SNAS client, however, will be capable of providing the information contained in the NCCDS messages in an easier ingestible format. In order to better understand the potential impact to SN Customers, it is requested that the affected SN Customer Project provide an impact assessment through the Project's NASA management to the SNAS Product Manager. This assessment should: (1) briefly describe the Customer system modifications that would be needed to accommodate not receiving NCCDS-formatted messages and (2) provide the cost to the Customer for the implementation of these modifications. In order to have sufficient time to potentially factor in new SNAS requirements prior to the start of the SNAS design phase, it is requested that Customer impact assessments be completed and provided to the SNAS Product Manager by January 30, 2004.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval		
<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR		<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 089	3. Review Date July 8, 2003
4. Title Should SNAS Provide a GMSEC Interface		
5. Action GMSEC seeks to become GSFC's Middleware or information software bus standard. SNAS could contribute to this by providing standard products over GMSEC (such as the latest active schedules) or could even use GMSEC for all its communications between the client and backend. GMSEC is partly based on SmartSockets, which offers Java Message Service (JMS) APIs. This could be used within SNAS to implement whatever use of GMSEC is desired		
Reference		
6. Originator/Organization/Telephone No./E-mail Gerald N. Klitsch/ CSC/ 301.805.3735/ mailto:glkitsch@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response This is a design question, which will be deferred until Critical Design Review.		
9. Response By/Organization/Telephone No./E-mail		Date Prepared
10. Originator Contacted	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date
11. Disposition	<input type="checkbox"/> Open <input checked="" type="checkbox"/> Deferred <input type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments This will be tracked as a SNAS CDR RFA.		
13. Approval		
<hr/> Caren Gioannini, Chairperson SNAS SRR		<hr/> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 091	3. Review Date July 8, 2003
4. Title SNAS Operations and Maintenance		
5. Action SNAS – Capable of continuous unattended operation <ol style="list-style-type: none"> 1. If server problems develop, does SNAS have Backup Capabilities? 2. Does SNAS have Database Sync with Backup and what are the impacts to the user? 3. Will SNAS Administrators have access to the system on a 24hr basis? 4. If the SNAS server is out of operation, will the existing DSMC software still allow for manual build operations? Does SNAS allow for the Scheduler to perform manual Event Build operations, and have access to the SSC's for validity? <hr/> Reference		
6. Originator/Organization/Telephone No./E-mail Michael B. Duffey/ NASA.Cimarron/ 281.853.2276/ mailto:michael.duffey@csconline.com		
7. Assigned To/Organization/Telephone No./E-mail Denise Gilliland/ ITT/ 301.809.2205/ mailto:denise.gilliland@gsfc.nasa.gov		Due Date
8. Response <ol style="list-style-type: none"> 1. Yes, in order to meet the SNAS Reliability/Maintainability/Availability (RMA) requirements of SNAS SRD, section 6.2, the SNAS has Backup Capabilities. The mechanism employed to ensure this, however, is a design feature and has not yet been fully defined. 2. Yes, the SNAS has Database Sync with Backup. Impact to the user is transparent. 3. Yes, SNAS Administrators have access to the system on a 24 hr basis. (Refer to OCD section 10) 4. Yes, if the SNAS server is out of operation, the existing DSMC software still allows for manual build operations. If the SNAS backup capabilities fail, the MOC may contact the DSMC for service support. 5. Yes, the SNAS allows for the Scheduler to perform manual Event Build operations, and have access to the SSC's for validity. (Refer to RFA 083 response) The information contained in the above responses will be more clearly documented in the SNAS OCD.		
9. Response By/Organization/Telephone No./E-mail Denise Gilliland/ ITT/ 301.809.2205/ mailto:denise.gilliland@gsfc.nasa.gov		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval <div style="text-align: center;"> <u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR </div> <div style="text-align: right;"> <u>10/23/03</u> Date </div>		

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 092	3. Review Date July 8, 2003
4. Title SNAS Performance Requirements		
5. Action Actual SNAS response Times: 1. What is the response time of each message (USM, SRM, GCM, UPD, etc.) back to the user, (SNAS client)? If Multiple event messages (USMs) are sent JSC's SNAS client and the user has already an existing event present and displayed, will SNAS make a duplicate entry?		
Reference		
6. Originator/Organization/Telephone No./E-mail Michael B. Duffey/ NASA.Cimarron/ 281.853.2276/ mailto:michael.duffey@csconline.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response USMs, SRMs , and GCMs are not sent back to the client. Data from these messages are sent back to the SNAS client. The response time cannot be quantified because of network connections outside the scope of SNAS. See RFAs 87 and 105 for more details. UPDs are processed and sent to the client immediately upon receipt, more specifically, every 5 seconds for the NCCDS and every 60 seconds for DAS. The SNAS closed server handles any duplicate message sent by the NCCDS or DAS.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval		
<p style="text-align: center;"><u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR</p>		<p style="text-align: center;">12/29/03 Date</p>

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 093	3. Review Date July 8, 2003
4. Title SNAS – Real-time Operations and Performance Monitoring		
5. Action <ol style="list-style-type: none"> How much memory does the SNAS client machine need to support Ground Reconfiguration Request Logging operations, as well as UPDs, (User Performance Data)? Does SNAS support multiple Missions, Supidens', SIC's? Does SNAS support copying a mission's data to create a new mission in a similar way to the User Planning System? Does SNAS support multi-task operations, for support of accessing different Mission Databases, for GCMR's, or UPD's? 		
Reference		
6. Originator/Organization/Telephone No./E-mail Michael B. Duffey/ NASA.Cimarron/ 281.853.2276/ mailto:michael.duffey@csconline.com		
7. Assigned To/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2215/ mailto:Bernadette.Tucker@itt.com		Due Date
8. Response <p>The memory requirements for the client computer will be addressed during the design phase. For informational purposes, the memory requirement for SWSI is 128 Mbytes.</p> <p>Yes, SNAS will support multiple missions, Supidens, and SICs. See RFA #014 for more details.</p> <p>Yes, SNAS will support copying a mission's data to create a new mission by copying mission data but not in a manner similar to UPS. This will not be a MOC function; alternatively, it will be performed by the WSC SNAS Database Administrator.</p> <p>Yes, SNAS will support multi-task operations for GCMRs, UPDs, etc, for the all missions that your logon gives you access to.</p>		
9. Response By/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2216/ mailto:Bernadette.Tucker@itt.com		Date Prepared 10/28/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval <i>Signature on file</i> Caren Gioannini, Chairperson SNAS SRR		11/17/03 Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 094	3. Review Date July 8, 2003
4. Title SNAS Client needs a non-interactive mode of Operation		
5. Action HST requires activation, termination and simple process activities using the SNAS Client to occur without human interaction, but under the control of a separate process (e.g. application or script or tool). A human who may provide parameters to it may activate the application, script or tool. This is valuable to HST because HST is a large volume user. Most routine operations could be handled by this non-interactive mechanism, rapidly and efficiently, thereby substantially reducing human effort, and ensuring accuracy. The GUI mode of operation would remain for the special and problem situations.		
Reference		
6. Originator/Organization/Telephone No./E-mail Alan Patterson/ HST/ 410.338.1382/ mailto:patterson@stsci.edu		
7. Assigned To/Organization/Telephone No./E-mail Denise Gilliland/ ITT/ 301.809.2205/ mailto:denise.gilliland@gsfc.nasa.gov		Due Date
8. Response See responses to RFA 066 The SNAS client is an application that runs on a MOC host. The application, script, or tool (mentioned in the Action of this RFA 94) is a MOC responsibility. However, SNAS will provide "hooks" for its automatic control. The SNAS client will be defined and is envisioned to be up all of the time. SNAS non-interactive modes of operation will be studied further and documented more clearly in the SNAS OCD.		
9. Response By/Organization/Telephone No./E-mail Denise Gilliland/ ITT/ 301.809.2205/ mailto:denise.gilliland@gsfc.nasa.gov		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Giovannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 095	3. Review Date July 8, 2003
4. Title HST Requires SRMs to be Forwarded to an External Scheduling System		
5. Action SNAS Requirement 4.1.3.2.2 does not appear to provide for forwarding the SRM (in 451-ICD-NCCDS/MOC format to an external scheduling system. HSTs schedule request generation system, PASS, requires the receipt of SRMs to keep in synch with the NCCDS. HST cannot use SNAS unless the requirements are modified to forward SRMs, in 451-ICD-NCCDS/MOC format, to our external system.		
Reference		
6. Originator/Organization/Telephone No./E-mail Mark Heigh/ HST/ 410.338.4506/ mailto:heigh@stsci.edu		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response The SNAS requirements do not include providing NCCDS-formatted data to the user. The SNAS client, however, will be capable of providing the information contained in the NCCDS messages in an easier ingestible format. In order to better understand the potential impact to SN Customers, it is requested that the affected SN Customer Project provide an impact assessment through the Project's NASA management to the SNAS Product Manager. This assessment should: (1) briefly describe the Customer system modifications that would be needed to accommodate not receiving NCCDS-formatted messages and (2) provide the cost to the Customer for the implementation of these modifications. In order to have sufficient time to potentially factor in new SNAS requirements prior to the start of the SNAS design phase, it is requested that Customer impact assessments be completed and provided to the SNAS Product Manager by January 30, 2004		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 096	3. Review Date July 8, 2003
4. Title HST Requires USMs to be Forwarded (in 451-ICD-NCCDS/MOC format) to an External System		
5. Action There do not appear to be any requirements in SNAS to provide for forwarding the USM to an external scheduling system. HSTs schedule request generation system, PASS, requires USMs (in 451-ICD-NCCDS/MOC format) to keep in synch with the NCCDS. HST cannot use SNAS unless the requirements are modified to forward USM, in 451-ICD-NCCDS/MOC formats to an external system.		
Reference		
6. Originator/Organization/Telephone No./E-mail Mark Heigh/ HST/ 410.338.4506/ mailto:heigh@stsci.edu		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response The SNAS requirements do not include providing NCCDS-formatted data to the user. The SNAS client, however, will be capable of providing the information contained in the NCCDS messages in an easier ingestible format. In order to better understand the potential impact to SN Customers, it is requested that the affected SN Customer Project provide an impact assessment through the Project's NASA management to the SNAS Product Manager. This assessment should: (1) briefly describe the Customer system modifications that would be needed to accommodate not receiving NCCDS-formatted messages and (2) provide the cost to the Customer for the implementation of these modifications. In order to have sufficient time to potentially factor in new SNAS requirements prior to the start of the SNAS design phase, it is requested that Customer impact assessments be completed and provided to the SNAS Product Manager by January 30, 2004		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval		
<u>Signature on file</u> Caren Giovannini, Chairperson SNAS SRR		<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 097	3. Review Date July 8, 2003
4. Title The Generation and Transmission of Reports (Especially Scheduled Event Reports) Must be Controlled by The FOT		
5. Action From the SNAS SRR presentation, I understood that SNAS would send reports on a cyclical basis, with the cycle rate changeable only by a remote administrator (at WSC). If SNAS were designed to accommodate this requirement, it would pose a severe hardship on our flight operations. We need to control when a report is generated and sent; it cannot be sent on a cyclical basis. For example, we rely on an up-to-date Scheduled Event report (format as defined in UPS), to conduct mission support operations, without the ability to send the report when we want it would completely disrupt our mission operations.		
Reference		
6. Originator/Organization/Telephone No./E-mail Mark Heigh/ HST/ 410.338.4506/ mailto:heigh@stsci.edu		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response The SNAS server will receive information on a cyclical basis from the NCCDS and/or DAS as frequently as every 60 seconds. In the event that there is a change, this transmission rate will be superceded. Consequently, the data available to the HST FOT will always be current. The SNAS client will be able to generate and send reports at will and completely independent of WSC administrators. However, any type of automation of report generation and transmission is outside of the scope of SNAS. The SNAS requirements do not include providing UPS-formatted reports to the user. Scheduled events, as well as, other information will be accessible in generating user-configurable reports; however, a specific UPS format is not guaranteed. To better understand the potential impact to SN Customers, it is requested that the affected SN Customer Project provide an impact assessment through the Project's NASA management to the SNAS Product Manager. This assessment should: (1) briefly describe the Customer system modifications that would be needed to accommodate not receiving UPS-formatted reports and (2) provide the cost to the Customer for the implementation of these modifications. In order to have sufficient time to potentially factor in new SNAS requirements prior to the start of the SNAS design phase, it is requested that Customer impact assessments be completed and provided to the SNAS Product Manager by January 30, 2004.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 099	3. Review Date July 8, 2003
4. Title Need SNAS to Import TCW Files		
5. Action On page 27 of the SNAS SRR presentation package, it indicates that SNAS will be able to import TSW files. However, HST imports a TDRS Communication Window (TCW) file, with the format specified in the UPS EU ICD. We do not have the resources to re-program the format of the TCW file. Can we expect SNAS personnel to re-format our TCW files to TSW files? Or will SNAS change their requirements to import TCW files as well?		
Reference		
6. Originator/Organization/Telephone No./E-mail Mark Heigh/ HST/ 410.338.4506/ mailto:heigh@stsci.edu		
7. Assigned To/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2215/ mailto:Bernadette.Tucker@itt.com		Due Date
8. Response No, SNAS personnel will not generate or reformat TCWs into TSWs. That function is outside of the scope of SNAS and will be a user responsibility. TCWs are unique to UPS and are not interpreted by the NCCDS. TSW files will be generated in accordance with 451-ICD-NCCDS/MOC. The UPS EU ICD is the UPS Electronic User ICD. It defines file import/export formats for the UPS. The issue here is that TDRSS Communication Windows (TCW) are defined by the UPS EU ICD. TDRSS Scheduling Windows (TSW) are defined by the NCCDS/MOC ICD. Both serve the same purpose, but the TSW is what is needed by the NCCDS. SNAS will meet the requirements of the 451-ICD-NCCDS/MOC not the UPS EU ICD.		
9. Response By/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2216/ mailto:Bernadette.Tucker@itt.com		Date Prepared 10/28/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments The response to this RFA was revised on November 17, 2003, to address comments provided by the originator on November 10, 2003.		
13. Approval		
<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR		<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 100	3. Review Date July 8, 2003
4. Title SNAS Schedule Request		
5. Action SNAS needs to be able to support Batch generation for Schedule Request, in addition to singular event Request. Both SSP and ISS move large amounts of data each day because of the dynamic operations with each project. Will SNAS be fast enough to support this? SNAS should be able to support REPLACE operations for real-time scheduled events. When using the REPLACE option, software should be able to build the Replace, based on the defined view or TSW present in the application, and schedule it against what time is available using the TUT.		
Reference		
6. Originator/Organization/Telephone No./E-mail Michael B. Duffey/ NASA.Cimarron/ 281.853.2276/ mailto:michael.duffey@csconline.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response The SRD currently has a requirement addressing batch schedule requests (4.1.3.1.1.d). The SRD currently has a requirement addressing replacement requests (4.1.3.1.1.c).		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared
10. Originator Contacted	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input type="checkbox"/> Closed <input checked="" type="checkbox"/> Withdrawn	
12. Comments		
13. Approval <hr/> <i>Caren Gioannini, Chairperson</i> SNAS SRR		
		Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 101	3. Review Date July 8, 2003
4. Title Internet Security		
5. Action <p>How secure is the Internet. Up until now, NASA, GSFC, and JSC, have all concurred to interface via a secure link, called the FTS 2000. The User Planning System also is isolated from any other LAN interface within JSC's MCC-H. The only access to UPS from the Common LAN within the MCC is via two dedicated Workstations, that utilize (FTP) protocol to the UPS and Password protected files.</p> <p>The concern is that by using the internet, a Software Trap could be setup to capture all data packets. From this information, Data Rates, Frequencies, and Checksums could be modified, and still allow the packets to penetrate the DSMC firewall.</p> <p>Another instance might be to just capture Acquisition times, and try to generate RFI to affect communications. The outcome would be either no Acquisition, or wrong Data Rate. This could have potentially disastrous effects during an EVA onboard SSP or ISS.</p> <p>Reference</p>		
6. Originator/Organization/Telephone No./E-mail Michael B. Duffey/ NASA.Cimarron/ 281.853.2276/ mailto:michael.duffey@csconline.com		
7. Assigned To/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Due Date
8. Response <p>The Internet is not secure. Your understanding of FTS 2000 is not correct. FTS 2000 is not secure. FTS 2000 is a collection of leased circuits by the government used for communications. Those communications are voice and data and are implemented in many different ways through out the government.</p> <p>Your concerns are valid for general Internet communications. However, the SNAS Client communicates with the SNAS Servers over an encrypted socket. Therefore the risks you site are mitigated. This is documented in the SNAS SRD and OCD.</p>		
9. Response By/Organization/Telephone No./E-mail Joe Stevens/ NASA/SN-452/ 301.286.1557/ mailto:joe.stevens@nasa.gov		Date Prepared 10/31/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval <p style="text-align: center;"><u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR</p>		11/17/03 Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 102	3. Review Date July 8, 2003
4. Title SNAS State Vector Interface to FDF		
5. Action Could SNAS implement a state vector entry capability to allow GSFC FDF to directly provide IIRV's in support of DAS services (for DAS customers)		
Reference		
6. Originator/Organization/Telephone No./E-mail Riley Elwood/ 451/FHA/ 301.286.6492/ mailto:riley.j.elwood.1@gsfc.nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Earl Bartlett/ ITT/ 301.809.2203 mailto:earl.bartlett@itt.com		Due Date
8. Response It is anticipated that a separate SNAS/FDF interface would be used very infrequently by FDF, and therefore not cost-effective to implement. The SNAS SRD already includes a requirement for the SNAS Client to allow a customer to import state vectors and forward the vectors to the NCCDS and/or DAS. A SNAS Client can be made available to the FDF for the FDF entry of state vectors on the behalf of DAS customers. Initially, this capability will be documented in the SNAS Operations Concept Document; however, at some point in the future, it may require a documented agreement between the SN and the FDF.		
9. Response By/Organization/Telephone No./E-mail Earl Bartlett/ ITT/ 301.809.2203 mailto:earl.bartlett@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<i>Signature on file</i> Caren Giovannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 103	3. Review Date July 8, 2003
4. Title SNAS/TUT Data Integration		
5. Action <p>SNAS Requirement 4.1.3.1.1.c includes TUT data to generate Replace Requests (RRs). This seems to be the only requirement to integrate TUT data into SNAS. TUT data is not mentioned in requirement 4.1.3.1.1.b for the generation of SARs and ASARs. Should this requirement be changed to include TUT data?</p> <p>The inclusion of TUT may be useful when generating SARs/ASARs during the active period. New SARs/ASARs could be automatically generated based on the TSW filtered by the TUT. SARs/ASARs generated using the TUT as well as the TSW would have a greater chance of being accepted. This would eliminate the need for users to manually adjust requests to be within unscheduled times and may be particularly helpful to missions that need to create a series of "last minute" requests</p>		
Reference		
6. Originator/Organization/Telephone No./E-mail Gerald N. Klitsch/ CSC/ 301.805.3735/ mailto:glkitsch@csc.com		
7. Assigned To/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2215/ mailto:Bernadette.Tucker@itt.com		Due Date
8. Response <p>Customers will be able to generate SARs and ASARs based on TUT information. This will be reflected in the SNAS System Requirements Document.</p> <p>4.1.3.1.1.b The SNAS shall provide the customer with the capability to generate a series of SARs and associated ASARs controlled by a user-defined pattern containing schedule request prototypes and based on confirmed events, TSW information, and TUT information.</p>		
9. Response By/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2216/ mailto:Bernadette.Tucker@itt.com		Date Prepared 10/28/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval		
<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR		11/17/03 Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 104	3. Review Date July 8, 2003
4. Title Vector Validation Prior to Transmission.		
5. Action Enable vector validation prior to transmission to NCCDS. Use rules listed in FDF/NCCDS/WSC ICD-Vector processing ground rules pertaining to processing of Type 8 and Type 1 vectors. For example, Earth impacting vector is rejected, a Type 1 will not be used if epoch is more than 12 hours in the past, Type 8 more than 24 hours in the past. Provide alert to operator if transmitting vector with epochs not in time order. (Last vector received will be used – operator may inadvertently override last solution vector with earlier vector.) Question from page 32- requirement - Convert a customer-entered set of latitude, longitude, and altitude into a Type 1 (orbital) spacecraft vector. How will SNAS determine the velocity components?		
Reference		
6. Originator/Organization/Telephone No./E-mail Merri Benjamin/ HTSI/ 301.805.3313/ mailto:merri.benjamin@gsfc.nasa.gov		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response Vector validation will be done in accordance with 530-ICD-NCC-FDF/WSC. The vector processing ground rules expressed in 530-ICD-NCC-FDF/WSC is consistent with the vector validation process expressed in the NCCDS System Requirements Document (451-SRD-NCCDS/1998). Additionally, all data in the state vector fields will be verified prior to transmission. Vector validation will be included in the SNAS System Requirements Document. In response to velocity calculation from latitude, longitude, altitude input: Types 1 and 8 vectors have identical formats. They each require an epoch and either position and velocity vectors or classical orbital elements to define the orbit. Certain assumptions must be made in order to derive this information from inputs of altitude, longitude, and latitude. The first assumption is that the orbit is circular. Velocity is a function of the radius and semimajor axis of the orbit, as well as, the gravitational parameter of the central body about which the satellite is orbiting (see the following equation). $v = \sqrt{\mu \left(\frac{2}{r} - \frac{1}{a} \right)}$ For circular orbits, the radius and semimajor axis are equivalent, and the radius is calculated from the altitude that is input by the user. The second assumption is, in the case of geostationary satellites, that the ascending node is defined by the longitude input by the user. It is also assumed that argument of perigee and true anomaly are zero. These assumptions are fine for tracking purposes, but inadequate for maneuvers.		
9. Response By/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2215/ mailto:Bernadette.Tucker@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval <p style="text-align: center;"><u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR</p> <p style="text-align: right;">10/23/03 Date</p>		

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 105	3. Review Date July 8, 2003
4. Title Performance Requirements for Throughput		
5. Action The review included performance requirements (p. 40) in terms of "not more than 10 seconds greater than the NCCDS or DAS response time". Suggest this be specified in terms of a throughput requirement that is not inclusive of NCCDS or DAS actions. For example, "The time from receipt of a customer request to the time the request is issued to the NCCDS or DAS shall not exceed 10 seconds."		
Reference		
6. Originator/Organization/Telephone No./E-mail Cathy Barclay/ HTSI/CSOC/ 301.805.3221/ mailto:cathy.barclay@honeywell-tsi.com		
7. Assigned To/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2215/ mailto:Bernadette.Tucker@itt.com		Due Date
8. Response These comments will be reflected in Performance Requirements 4.2.1.3.1 and 4.2.1.4.1. 4.2.1.3.1 For interactions initiated from the SNAS client that require a response time from the NCCDS or DAS, the time from receipt of a client request to the time the request is issued to the NCCDS or DAS shall not exceed 10 seconds. (Closed server). 4.2.1.3.2 For interactions initiated from the SNAS client that require simple retrieval of data from the SNAS database, the time from receipt of a client request to the time the request is issued to the NCCDS or DAS shall not exceed 10 seconds. Note: "Simple retrieval" applies to an action such as retrieving a single scheduled SN event. It does not apply to a complex action such as retrieval of an entire schedule		
9. Response By/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2216/ mailto:Bernadette.Tucker@itt.com		Date Prepared 10/28/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 106	3. Review Date July 8, 2003
4. Title Automated Coordination of NCCDS Database Updates with SNAS		
5. Action The presentation indicated that the SNAS database will hold static data (p. 12). Currently this is a manual function to update SWSI and UPS databases to be in sync with the NCCDS database. Recommend that this function be automated to save operations time/labor and reduce the potential for errors.		
Reference		
6. Originator/Organization/Telephone No./E-mail Cathy Barclay/ HTSI/CSOC/ 301.805.3221/ mailto:cathy.barclay@honeywell-tsi.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response A requirement will be added to the SNAS SRD to ensure that the capability will exist for SNAS to automatically synchronize to the NCCDS database.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments 4.1.5.1.13 Automatic synchronization to the NCCDS database.		
13. Approval	<i>Signature on file</i> Caren Gioannini, Chairperson SNAS SRR	12/29/03 Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 107	3. Review Date July 8, 2003
4. Title Clarify Number of Customer Spacecraft and Customer Clients Supported		
5. Action The presentation indicated a minimum of 100 customer platforms can be supported (p. 40). Need to clarify that this is intended as number of customer spacecraft/vehicles (SIC's). Also need to specify the number of clients that can be supported. Typically this means two clients per platform, one for scheduling and one for real time. To enable multiple real time and test consoles, recommend specifying this requirement at 250 clients		
Reference		
6. Originator/Organization/Telephone No./E-mail Cathy Barclay/ HTSI/CSOC/ 301.805.3221/ mailto:cathy.barclay@honeywell-tsi.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response These comments will be reflected in System Requirement 4.2.1.1. 4.2.1.1 The SNAS shall have the capability to store data for a minimum of 100 SIC platforms to include up to 250 clients.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 108	3. Review Date July 8, 2003
4. Title Performance Requirements for Startup and Failover		
5. Action The presentation indicated RMA requirements for MTTR and availability (p. 44), however, recommend also specifying performance requirements for the startup and failover processes, as these are key times to meeting operational availability and proficiency requirements		
Reference		
6. Originator/Organization/Telephone No./E-mail Cathy Barclay/ HTSI/CSOC/ 301.805.3221/ mailto:cathy.barclay@honeywell-tsi.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response A requirement will be added to the SNAS SRD specifying the requirements for the startup and failover processes.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 12/05/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 12/22/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>12/29/03</u> Date

REQUEST FOR ACTION (RFA)			
1. Review Type	2. RFA No.	3. Review Date	
SNAS SRR	CCR 452/107 - 109	July 8, 2003	
4. Title Change in Customer Interface Agreements			
5. Action The current NCCDS MOC ICD includes appendices reflecting customer agreements (signatures) to the interface and any customer unique information. Recommend that the SNAS User's Guide also serve this function for SNAS customers and as customers commit to fully using SNAS they be removed from the NCCDS MOC ICD. Also, need to document the demarcation points and describe end-to-end responsibilities for fault isolation for SNAS customers and SN operations.			
Reference			
6. Originator/Organization/Telephone No./E-mail Cathy Barclay/ HTSI/CSOC/ 301.805.3221/ mailto:cathy.barclay@honeywell-tsi.com			
7. Assigned To/Organization/Telephone No./E-mail Denise Gilliland/ ITTT/ 301.809.2205/ mailto:denise.gilliland@gsfc.nasa.gov			Due Date
8. Response As part of the SN Documentation Task (defining a baseline set of requirements documents and ICDs for the Space Network) the NCCDS MOC ICD is being updated. Part of the update to this document is to remove the Customer unique appendices. The information contained within these appendices will be discussed with Code 451 to determine where the Customer Commitment Office believes this information is best documented. It is believed this information should be initially developed, coordinated and then maintained by the Customer Commitment Office.			
9. Response By/Organization/Telephone No./E-mail Caren Gioannini/ NASA/WSC/ 505.527.7026/ mailto:Caren.C.Gioannini@nasa.gov			Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Date 10/17/03
11. Disposition	<input type="checkbox"/> Open	<input type="checkbox"/> Deferred	<input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn
12. Comments			
13. Approval			
<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR			<u>10/23/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 110	3. Review Date July 8, 2003
4. Title Generating TSW's		
5. Action The presentation indicated that SNAS will accept TSW's and throughput them, but will not support the customer in generating them. This is a loss of functionality from the current UPS that generates TSW's from inputs from FDF (e.g. PSAT and UAV). Suggest considering providing a method for generating TSW's as they are necessary for full use of the NCCDS flexible scheduling capabilities.		
Reference		
6. Originator/Organization/Telephone No./E-mail Cathy Barclay/ HTSI/CSOC/ 301.805.3221/ mailto:cathy.barclay@honeywell-tsi.com		
7. Assigned To/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2215/ mailto:Bernadette.Tucker@itt.com		Due Date
8. Response Interviews with customers and survey results indicate that this capability is not needed. TSWs are generally input to UPS from a third party system, and the customers do not use UAVs or PSATs.		
9. Response By/Organization/Telephone No./E-mail Bernadette Tucker/ ITT/301.809.2216/ mailto:Bernadette.Tucker@itt.com		Date Prepared 10/28/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 11/10/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>11/17/03</u> Date

REQUEST FOR ACTION (RFA)		
1. Review Type SNAS SRR	2. RFA No. CCR 452/107 - 111	3. Review Date July 8, 2003
4. Title Risk of Impact from Customer Operations Activities and Customer Availability for Testing		
5. Action Suggest adding two risks (p. 51): Customer Operations Activities may impact project activities (e.g. installation during STS freeze periods). Impact: Delay in completing project activities on Schedule. Mitigation: Regularly communicate with customers, monitor customer launch activities, and including freeze and critical periods, and plan project activities accordingly. Coordinates freeze exemptions as required. Customers may not be available to test with SNAS due to other high priority activities (e.g. critical periods), or implementation issues at the customer site. Impact: Delay in completing SNAS interface Testing. Mitigation: Identify all potential customers that will be involved in the test program early, identify those tests that are key to validating SNAS functionality versus those that can be completed as a customer transition post SNAS project completion. Regularly communicate with customers on status and request commitment from those agreeing to participate during the SNAS test period		
Reference		
6. Originator/Organization/Telephone No./E-mail Cathy Barclay/ HTSI/CSOC/ 301.805.3221/ mailto:cathy.barclay@honeywell-tsi.com		
7. Assigned To/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Due Date
8. Response Concur. Both of these risks will be added to the Risk Management Matrix located in Table 4-2 of the SNAS PMP.		
9. Response By/Organization/Telephone No./E-mail Trish Gravatt/ ITT/ 301.809.2216/ mailto:trish.gravatt@itt.com		Date Prepared 10/10/03
10. Originator Contacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 10/17/03
11. Disposition	<input type="checkbox"/> Open <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Withdrawn	
12. Comments		
13. Approval	<u>Signature on file</u> Caren Gioannini, Chairperson SNAS SRR	<u>10/23/03</u> Date