

Joint ESDIS/ETS Action Item List

No.	Description	Assigned To	Due Date	Status
1	Develop a coordinated AI list between ESDIS-ETS.	ETS/ESDIS	Following TRT approval of RID responses	CLOSED: This list satisfies the required action.
2	Baseline F&PR. [RID002B, RID002E, RID050 ^C , RID052, RID055 ^C , RID069, RID071, RID085 ^C , RID095, RID130, RID131]	ESDIS/ETS	9/1/95	CLOSED: The ETS F&PR has been approved by the MOSDD CCB.
3	Develop ETS level 2 requirements.	ESDIS	9/1/95	CLOSED: ETS review comments have been provided to ESDIS. The ETS Level 2 requirements have been approved by the ESDIS CCB.
4	Work resolution of EDOS-DAAC interface concerning 2GB file size.	ETS	9/30/95	CLOSED: EDOS EGS ICD defines 2GB size limit on individual UNIX files. EDS & PDS may consist of multiple files (from 1 to 99). Cognizant ESDIS ground system elements are aware of this.
5	Have 510 CMO collect, control, distribute ACCEPTed RIDs.	Ron Gray	8/31/95	CLOSED: ETS SDR RIDs have been incorporated into the 510 CM database.
6	Prepare final RID responses for TRT. Include one page summary (categories, priorities, counts, etc.).	ETS	Before upcoming TRT review	CLOSED: Final RID responses and summary information reviewed and tentatively approved by TRT on 8/4/95. Final package, dated 8/17/95, containing corrections and TRT recommendations given to ATR for distribution. Development of this AI list is a result of the final RID response having been prepared.
7	Update OC and F&PR glossary to define EDU, remove EDOS delivery times, and revise definition of "gap". [RID002D]	ETS	When appropriate documents updated	CLOSED: F&PR glossary updated as required.
8	Update appropriate documentation to reflect that the ETS LRS and MPS will accept user data. [RID002E]	ETS	When appropriate documents updated	CLOSED: F&PR requirement 3.1.2 adjusted to eliminate reference to specific types of physical media. Level 4 requirements contained in the five volume set of ETS requirements specs reflect that ETS will accept user data. Change in operations concept for LRS since SDR. LRS will not generate source of data nor playback user data; it acts as an EDOS low rate simulator receiving, processing and outputting external source of data. MPS will now accept and playback user-provided data extracted from HRS.

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9	Provide the order of tests, the applicable build or release for each test, and any dependencies between tests at the ETS CDR. [RID002I]	ETS	Prior to final design review	CLOSED: Test sets have been identified and build functionality has been mapped to requirements. Test order, dependencies, and applicable build/release are provided in Section 3.2, Test Set Ordering and Dependencies of the Integration Test Plan (ITP). Test order and dependencies are provided in Section 3.4, Test Ordering and Dependencies, of the System Test Plan/Procedures (STPP). Information concerning the applicable build/release for each test is provided in the appendices of the STPP.
10	Ensure correct spell out of ETS acronym, i.e., EOSDIS Test System, in all documents. [RID002J]	ETS	When appropriate documents updated	CLOSED: Except for anomalous error in the SDR presentation material, other documents require no action.
11	Update OC, figure 2-1 and its associated text to explicitly indicate that EOC will not be simulated by ETS. [RID006A(a)]	ETS	When OC is updated	CLOSED: F&PR figure 1-1 modified to indicate that EOC will not be simulated by ETS. This same figure is utilized in the OC document.
12	Define reports to be generated by ETS in the ETS level 4 requirement specifications and other documents as appropriate. [RID008]	ETS	At level 4 requirements specification	CLOSED: The five volume set of ETS requirements specifications further define reports to be generated.
13	Update OC, section 3.1.2 (p.3-4), starting with the sentence stating that "In the event of anomalous conditions, ...". Indicate that ETS operators will only fix anomalies introduced by the test team or exacerbated by ETS procedures and not attempt to fix planned errors in the test script. Furthermore, no fixes will be undertaken without notification and approval of the test conductor. [RID009]	ETS	When OC is updated	CLOSED: No value added going back to update OC at this point in the development stage.

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14	Update SDS, section 2.2.5.3 starting with the sentence stating that “EDOS requirements that once were significant drivers of ETS, ...”. Indicate that the ETS requirement for 10 ⁻¹² BER is no longer part of the baseline but does not imply that EDOS requirements have changed. [RID011]	ETS	When SDS is updated	CLOSED: No value added going back to update SDS at this point in the development stage.
15	Utilize Test Data Management (TDM) tool to minimize ETS library function cost. [RID018]	ETS	At level 4 requirements specification review	CLOSED: The TDM tool will provide a cost-effective ETS library manager function. The Library Manger CI was deleted from the ETS design as indicated in Table 2-1, volume 1 of the ETS requirements specifications.
16	[RID019] Report on TPM parameters and identify potential additional TPM parameters at future reviews. [RID019, RID086 ^C]	ETS	At each review	CLOSED: No TPM parameters are being tracked.
17	Prepare a hardware development and management plan. [RID020, RID025, RID125 ^C]	ETS	Preliminary information at next design review; finalize at final design review	CLOSED: ETS hardware procurement has been completed. A power-up version of the MPS exists at the CSC GreenTecIV facility while power-up versions of the LRS and HRS exist at the Code 520 Data Systems Technology Division (DSTD) lab in Building 23. Furthermore, demonstrations of these systems have been given. At this stage of ETS development there would be no value added by preparing a hardware development and management plan.
18	Update SMP, section 3.4.2, to more clearly define specifics related to model/prototype development and demonstration plans. [RID021]	ETS	At final design review	CLOSED: An SCTGEN prototype was available 11/95. The first build of the ETS LRS, ETS MPS, and ETS HRS were planned as demonstration models, not available for general use by the ESDIS community (Refer to current ETS schedule for dates). No other models/prototypes are planned for ETS. No need to update the SMP since the ETS Detailed Design Specification (DDS) identifies requirements contained in each build of the MPS, LRS, and HRS.
19	Expand SMP, section 3.10.3, to clearly include Code 520 developed hardware in ETS RMA. [RID022]	ETS	When SMP is updated	CLOSED: No value added by going back to update the SMP. Power-up versions of the LRS and HRS already exist at the DSTD lab in building 23.

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20	Expand SMP section 2.4, to include recommended facility requirements. [RID023]	ETS	When SMP is updated	CLOSED: No value added by going back to update the SMP. EOC facility plan shows ETS LRS and MPS user terminals in the Simulator and Sustaining Engineering Room and the LRS and MPS VME hardware racks in the EOS Equipment Room. Location of ETS HRS and MPS units in EDOS facility TBD. Memos detailing facility floor space and power requirements at each ETS location have been distributed by ATR on 6/4/96.
21	Update SMP, section 2.3.4, paragraph starting with "The ETS team will work with ...". Add ESDIS SI&T and IV&V to the paragraph. [RID024]	ETS	When SMP is updated	CLOSED: No value added by going back to update the SMP. This situation can be covered in the PMP (item #28).
22	Quantify and cost risks presented at SDR. [RID027]	ETS	At next design review	CLOSED: Many of the risks identified at SDR, in section 2.4 of the SDS, have been eliminated or minimized to such a degree that further consideration as a risk is not justified. <ol style="list-style-type: none"> 1. The ETS F&PR is in the final stages of approval by the MOSDD CCB 2. The UNIX file size and data set size issue has been essential resolved between cognizant EOSDIS ground system elements 3. The inadequate number of development systems has been virtually eliminated by the authorization of a second ETS MPS and less competition for the single LRS. 4. EOSDIS ICD risk has been substantially lowered by ETS participation in the ICWG and the availability of draft ICDs.
23	Provide description and purpose of each CI in the STPP. [RID029]	ETS	At the final design review	CLOSED: Section 2.1.2, CI Descriptions, of the Integration Test Plan contains descriptions and purposes of each CI under test. Section 2.1.2, CI Descriptions, of the STPP provides a general overview of the CIs and cites the Integration Test Plan as a reference for a more detailed discussion of each CI.

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24	Update SMP, section 3.3, to clarify the maintenance process for the F&PR. [RID030]	ETS	When SMP is updated	CLOSED: No value added by going back to update SMP. The ETS F&PR will be under control of the Code 510 and 505 CCBs. Initial review and approval authority will be held by Code 510. Code 510 approved changes will be submitted to Code 505 for final review and approval.
25	Provide draft of build plan. [RID031, RID061 ^C , RID078 ^C , RID081 ^C , RID089 ^C]	ETS	Preliminary at next design review. Finalize at final design review.	CLOSED: A preliminary statement of functional capabilities for each build was presented at the initial design review. A final statement, including requirements being met, has been provided in the ETS detailed design specifications.
26	Update SMP, section 3.2.1, to clearly state that 520 is included in the IPTs. Also, change designation "ETS ATR" to "ETS Project Manager" throughout the SMP. [RID032]	ETS	When SMP is updated	CLOSED: No value added going back to update SMP at this stage of ETS development.
27	Update SMP to clearly define scope of PMP contained within SMP as internal to ETS. [RID033]	ETS	When SMP is updated	CLOSED: No value added going back to update SMP. Information contained in PMP (item #28) sufficient to cover this.
28	Provide PMP for ETS-ESDIS interface. [RID033]	Willie Fuller	Prior to final design review	CLOSED: Working copy of PMP provided to ESDIS Project on 3/4/96.
29	Change SMP, section 2.3.1, sentence starting with "Although the ETS ... , it is extensible to the PM, AERO, ALT, and CHEM series and other AM spacecraft." to read "Although the ETS ... , it is extensible to other EOS spacecraft." [RID035]	ETS	When SMP is updated	CLOSED: No value added going back to update SMP at this point in the development stage.
30	Provide test data set error in ETS level 4 requirement specifications. [RID037, RID058 ^C , RID060 ^C , RID102 ^C , RID103 ^C , RID107 ^C , RID109 ^C]	ETS	9/27/95	CLOSED: Requirements specifying type of test data set errors were provided in the five volume set of the ETS level 4 requirements specifications.
31	Update SMP, section 2.2.13, to include CM of hardware or firmware products. [RID038]	ETS	When SMP is updated	CLOSED: A power-up version of the MPS exists at the CSC GreenTecIV facility while power-up versions of the LRS and HRS exist at the Code 520 Data Systems Technology Division (DSTD) lab in Building 23. At this stage of ETS development there would be no value added by updating the SMP to include CM of hardware or firmware products.

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32	Provide organization, WBS, schedules, deliverables, project resources, QA, reviews, and risk management in ETS-ESDIS PMP. [RID040, RID042]	Willie Fuller	Prior to final design review	CLOSED: Working copy of PMP provided to ESDIS Project (3/4/96).
33	Change OC, section 1.5, sentence starting with "Although the ETS ... , it is extensible to the PM, AERO, ALT, and CHEM series and other AM spacecraft." to read "Although the ETS ... , it is extensible to other EOS spacecraft." [RID044]	ETS	When OC is updated	CLOSED: No value added by going back to update OC.
34	Provide training which is not dependent on the ETS development team's availability. [RID045, RID047 ^C , RID048 ^C , RID076 ^C , RID087 ^C , RID097 ^C , RID098 ^C , RID100 ^C]	Willie Fuller	At next design review	CLOSED: ATSC has been directed to develop and implement an ETS training plan.
35	Attach a note to SDS, table 2-2, indicating that the portable High Rate System (HRS) is no longer part of the ETS baseline. [RID051]	ETS	When SDS is updated	CLOSED: No value added by going back to update SDS. This situation has been adequately reflected in Figure 4-1, volume 1 of the ETS requirements specifications.
36	Strike the statement "ETS personnel will work closely with the IV&V and other EOS test team to help develop test ...". [RID053]	ETS/ESDIS	At next design review	CLOSED: F&PR section 1.6.3 reworded to remove ETS personnel responsibility for developing test scripts.
37	Identify and document EOC simulation requirements for CODAs. [RID062]	Mike Rackley	8/31/95	CLOSED: As a result of meeting held with EOC developers and FOT personnel, EOC simulation requirements for CODAs documented in Section 4 of the ETS DDS Volume 2.
38	Identify and document IV&V needs for OMD testing. [RID062]	John Yaquinta	8/25/95	CLOSED: Email containing requested information received from IV&V personnel on 8/7/95.
39	Correct SDS, section 2.3.2.1, reference to maximum UNIX file and data set sizes. [RID063]	ETS	At next design review	CLOSED: No value added by going back to update SDS. EDOS EGS ICD defines 2GB size limit on individual UNIX files. EDS & PDS may consist of multiple files (from 1 to 99). ETS level 2 requirements have been modified to correctly distinguish between maximum UNIX file and data set sizes. The ETS F&PR has been updated.
40	Move STPP, section 3, abbreviation definitions to appropriate paragraph. [RID065]	ETS	At next design review	CLOSED: STPP paragraph moved as requested. Revised STPP provided at detailed design review.

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41	Obtain a copy of SRR RIDs and make available to cognizant personnel. [RID068 ^C]	Terence Hollis	8/31/95	CLOSED: Copies of SRR RIDs on-hand and available upon request.
42	Coordinate with ESDIS Project as to signatures on ETS documents. [RID073]	Willie Fuller /ESDIS	At next review	CLOSED: ESDIS ETS Manager concurrence put on cover page of major documents.
43	Revise, as appropriate, all documents to replace references to SOC with references to GSFC. [RID077, RID101 ^C]	ETS	In future documents released as appropriate	CLOSED: F&PR requires no changes. Other documents do not reference SOC.
44	Provide ESDIS Project a copy of actual study notes used to develop contents of SDS section 2.3, entitled "Design Studies". [RID079]	ETS	8/10/95	CLOSED: Copy of actual study notes provided to Michael Robbins on 8/10/95.
45	Provide User's Guide with each build and the final release. [RID080]	ETS	At each build and final release	CLOSED: Preliminary MPS user's guide provided on 4/96. MPS, LRS and HRS user's guides will be provided at final release.
46	Provide system integration approach at future review. [RID083]	ETS	At future review	CLOSED: The ETS Integration Test Plan/Procedures document (ITPP) is being developed to address integration issues and plans. Specifically, Sections 2.2, Test Environment, 2.3, Human Resources, 2.5, Test Phase Entrance and Exit Criteria address issues of integrating ETS components developed by different organizations. Integration testing plans were presented at the ETS MPS/LRS design review held 11/30/95.
47	Provide acceptance test plan at final design review. [RID088]	Willie Fuller	At final design review	CLOSED: ATSC has provided an ETS Acceptance Test Requirements Study document, which was available at the ETS requirements specifications review held 9/30/95, and has prepared a draft ETS Acceptance Test Plan, dated February 1996.
48	Evaluate driving requirements for final release date(s) of ETS systems. [RID088]	Glenn Iona	9/1/95	OPEN: Unless otherwise directed, ETS will continue with the original schedule plan and final release dates.
49	Change the term "beta version" to "engineering version" in applicable documents. [RID090]	ETS	Next document update	CLOSED: F&PR requires no changes. Other documents require no change.

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50	Add a discussion of regression testing to the discussion of IDR resolution in the STPP. [RID104]	ETS	At next document update	CLOSED: Section 4, Regression Tests, of the ETS Integration Test Plan discusses regression testing and how it is performed after resolution of IDRs. Section 3.5, Regression Testing,, of the STPP provides a discussion of regression testing. Regression testing approach was provided at the ETS MPS/LRS initial design review held 11/30/95.
51	Define hardware and software environment in the documentation and presentation materials at final design review. [RID105]	ETS	Prior to final design review	CLOSED: Section 2.2, Test Environment, of the updated ETS Integration Test Plan includes a description of the h/w and s/w environment. Section 3.3, Test Environment, of the STPP provides a description of the h/w and s/w environment as it pertains to testing. Development and testing environment information was also provided in the presentation materials at the ETS LRS/MPS initial design review held 11/30/95 and at the ETS HRS/SCTGEN initial design review held 12/13/95.
52	Provide more detailed STPP information at final design review. [RID106]	ETS	At final design review	CLOSED: An updated ETS System Test Plan and an ETS Integration Test Plan with additional test detail was distributed at the final design review.
53	Change ETS SMP, reference section, reference 8 to read "--,423-35-01, EOS Data and Operations System (EDOS) and EOS Communications (Ecom) Requirements, April 1994". [RID113]	ETS	At next SMP update	CLOSED: No value added in updating SMP at this stage of ETS development. The title, as well as the content, of the cited document has significantly changed.
54	Add text describing ETS system integration activities to either the ETS STPP or the ETS SMP. [RID117]	ETS	At next document update	CLOSED: The ETS Integration Test Plan has been developed to describe ETS system integration activities in detail. Integration testing plans were presented at the ETS MPS/LRS design review held 11/30/95.
55	Provide detailed design approach using limited human factors consultation at final design review. [RID118]	ETS	At final design review	CLOSED: For new design, have consulted with human factors knowledgeable personnel. More detailed design information has been presented for MPS GUI in ETS DDS Volume 2.

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56	Provide examples of test data generation using the capabilities described in SDS section 3.3.2.3.3. Explicitly identify any current products or software that is intended to support those capabilities.at final design review. [RID120(c)]	ETS	At final design review	CLOSED: Volume 5 (SCTGEN) of the ETS requirements specs and the ETS HRS/SCTGEN initial design review held 12/13/95 identified capabilities within SCTGEN for test data generation.
57	Discuss logging and monitoring capabilities with ETS users. [RID132]	ETS	During design phase	CLOSED: The ETS requirements specifications define lower level requirements which identify the logging and monitoring capabilities ETS will provide.
58	Change F&PR, section 1.6.1, sentence starting with “Although the ETS ... , it is extensible to the PM, AERO, ALT, and CHEM series and other AM spacecraft.” to read “Although the ETS ... , it is extensible to other EOS spacecraft.”.	ETS	When F&PR is updated	CLOSED: F&PR sentence modified as requested.

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