



**Product Assurance
Requirements**

Document : DC-UQT-2024-011
Issue : 1
Date : 22/04/2024
Issue : 1 di 20
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Project: "CALIGOLA"

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Document change log

Date	Reason for change / Page-paragraphs affected	Revision
11/04/2024	First Issue	A

ATTACHMENTS:

Annex A: "Deliverables"

DOCUMENT DISTRIBUTION:



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1. SCOPE

This document establishes the top-level Product Assurance Requirements applicable to “CALIGOLA” project.

The PA program shall ensure that for “CALIGOLA” project the required objectives will be successfully achieved in a cost-effective way and assuring the required quality level by managing the available resources and personnel within the allocated budget and by co-ordinating, in an integrated effort, the PA and QA activities with Program Management and Engineering.

This document considers all the policy and principles of **ECSS-S-ST-00C**.


The Product Assurance requirements specified by this document are applicable to the Prime Contractor during the whole life cycle of the project. The latter shall be responsible to tailor the PA requirements to his sub-Contractors and Suppliers, according to their contribution, through the process explained in **ECSS-S-ST-00C** and ASI document [AD 3]. It is under the responsibility of the Prime Contractor to ensure the PA requirements implementation throughout the whole contractual supply chain.

It is an applicable document to the “Caligola” project Statement of Work” [AD2] and shall be complied with by the Contractor during the project execution.

The Product Assurance (PA) and Safety requirements cover the following disciplines:


- PA Management
- Quality Assurance
- Dependability
- Safety
- Electrical, Electronic and Electromechanical (EEE) Components, including the radiation hardness of EEE components
- Materials, Mechanical Parts and Processes
- Software Product Assurance
- Cleanliness and Contamination Control

The tailored requirements in this document apply to the design, manufacturing, assembly, integration, testing, delivery, and support to operations, of all flight hardware and flight software of the Instruments, including their flight spares and GSE, at any level of the customer-supplier chain, and throughout the project phases B2, C, D and E1.

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2. DEFINITIONS

All the definitions of the contractual documents will be applicable, in addition the definitions from the applicable ECSS standards shall be taken in charge.

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3. DOCUMENTS

The PA requirements are based on ECSS series “Q” documents, after that the required tailoring process, taking into account the specific objectives, needs and constraints for “**Caligola**” project, will be set up, documented by the Contractor and agreed with ASI [AD01] [AD02].

The ECSS standards shall be applicable documents to the extent they have been made applicable to “**Caligola**” by the process of first level tailoring performed by ASI (this tailoring is defined in [AD5]) and to the extent that their applicability has been negotiated, through the process of tailoring of second level performed by the Prime Contractor with ASI agreement and final approval.

The standards and documents listed in the tables below are available for download at the following Internet links:

- <http://www.ecss.nl> for ECSS (European Cooperation for Space Standardization)
- <https://escies.org> for ESCC (European Space Components Coordination), EPPL and ESA memos

For documents with no version number, the applicable versions are intended as the latest ones at the formal acceptance of these requirements.

3.1 Applicable Documents

The following documents are applicable to the Product Assurance requirements document (this document) and are hierarchically above:

[AD1] The Contract (or the ASI letter “Request for Proposal”)


[AD2] Capitolato Tecnico allegato alla Richiesta d’Offerta dell’Agenzia Spaziale Italiana (ASI) per il progetto ‘Attività industriali di Fase A/B1 per lo strumento CALIGOLA.’ ASI document n° DC-UIC-2024-78 for the instrument / “Capitolato tecnico attività industriali di fase A/B1 per lo sviluppo della Piattaforma e del sistema per la missione Caligola” for the system

[AD3] Istruzione Operativa Linee guida per il Tailoring delle norme ECSS”, ASI document n° OP-UQT-2022-001

[AD4] OP-UQT-2024-001 “LINEE GUIDA PER LA REDAZIONE DEL PIANO DELLA QUALITA’ E DEL PIANO DI ASSICURAZIONE DEL PRODOTTO


[AD5] Progetto “**Caligola**” - “ECSS First step Tailoring” ASI Document n° DC-UQT-2024-010 Caligola ECSS Tailoring

[AD6] “Sistemi di Gestione per la Qualità” Document UNI EN ISO 9001:2015

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3.2 Reference Documents

Reference documents are those documents used to provide clarification and integration in support of the applicable documents. Although the following reference documents do not form part of the Contract and are not identified in the Contract they do integrate Product Assurance requirements for “**Caligola**”.

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5. PA REQUIREMENTS

To fulfil the “CALIGOLA” PA requirements the Contractor shall establish and maintain a PA program in accordance with the requirements specified by the ECSS series “Q” standards, tailored to the specific Program’s needs and constraints as per [AD3].

Contractor’s PA aspects, responsibilities, tasks and deliverables to ASI are specified in the following sections.

5.1 Product Assurance Plan


The PA program shall be based upon a “Caligola” Program’s specific PA Plan to be prepared, implemented and maintained by the Contractor throughout the whole Program life cycle and to be submitted to ASI for approval. The Contractor’s PA Plan shall describe the resources, tasks, responsibilities, methods and procedures adopted by the Contractor for the implementation of the PA and QA requirements and for the achievement of the PA objectives. Document [AD4] describes the objectives and the general contents required for the **PA Plan**.

The **PA Plan** shall be used as a master planning and control document for the Product Assurance program. The **PA Plan** shall include a section addressing the compliance with the requirements of ECSS “Q” (as tailored to the Program) identifying any relevant discrepancy.

The **PA Plan** shall describe how the Contractor intends to verify that the PA program for “Caligola” will be accomplished and how the Contractor intends to perform supervisory and monitoring actions on sub-Contractors (suppliers). Contractor’s internal Company procedures may be referenced in the PA Plan to meet specific requirements; in this case they shall be provided to ASI on request.

Contractors should be aware that referencing internal Company’s procedures in the PA Plan will limit the Company's ability to unilaterally change those procedures. Any change to those procedures shall be considered as modifications to the PA Plan.

The PA Plan, an integrated document including separate sections corresponding to the various PA activities, shall be prepared according to the instruction provided in the applicable document [AD4] and in the applicable ECSS standard tailored as per [AD 5].

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CGL-PAR-001 ‘Product Assurance Plan

The Contractor shall prepare, implement and maintain a “CALIGOLA” specific PA Plan, made applicable throughout the whole Program life cycle and to be submitted to ASI for approval.

Required output:

Delivery schedule	
as required by AD2	Product Assurance Plan (PA Plan) prepared according to the required DRD-PA00 and the related applicable documents.

ASI reserves the right to:

- a. access all documents and records made for the “CALIGOLA” project, including the physical access to all Contractor’s or sub-Contractor (suppliers) facilities where activities are carried-out or documents, equipments, materials are stored;
- b. perform or participate in any audit, survey, inspection, review, test, etc. relevant to the “CALIGOLA” project activities at Contractor’s premises or one of his sub-Contractors (suppliers). ASI participation in the above activities, or ASI performed audits towards Contractors, shall not replace or relieve the Contractor of his contractual responsibilities.

The **PA Plan** shall specifically mention the above retained rights of ASI, as specified at point 4, Annex “A” of [AD4].

Intellectual property issues, associated with documentation and access rights, are managed by the Contract [AD1] and the Statement of Work [AD2].

4.2 PA Progress reporting


PA Progress reporting shall be part of the overall Program’s progress reporting as defined in the Program Management section of [AD2]. For the PA activities the Contractor shall produce a dedicated and detailed PA report/section to ASI.

CGL-PAR-002 ‘PA Progress Report’

The Contractor shall issue a PA progress report documenting all the PA activities carried out in the relevant period as defined in the contract/SoW. This report could be part of the periodic project progress report.

Required output:

Delivery schedule	
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as required AD2	PA Progress Report to be prepared as required by Annex “A”, point 18, of [AD4].
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4.3 Quality Assurance

The Contractor shall prepare, implement, maintain and control a Plan for all QA activities. The plan could be part of the overall PA Plan. QA requirements are made applicable to the “CALIGOLA” Program by documents [AD3] and tailored by [AD5] and to the specific Program’s needs and constraints.

ECSS-Q-ST-20C Rev.2 shall apply with the modifications as per following table:

ID	Type	Tailoring	6.1 - ECSS-Q-ST-20 - Text / Comment
CLG-Q-01	Requirement	New	The supplier shall ensure that: - invitations are sent to the customer for the participation in MRRs at least with two weeks’ notice, - any review data package is submitted to the customer at least one week before the MRR.
CLG-Q-02	Requirement	Modified	A MIP shall require an invitation with a notice of at least ten (10) working days, and the participation of the customer, or their written agreement to proceed without their participation.
CLG-Q-03	Requirement	New	At delivery, the supplier shall provide a Temporary Installations/Removals List which includes: - the identification of all temporary installations/removals, - the temporary installations/removals required throughout the AIT flow, and until fairing encapsulation, - the references to dedicated instruction or procedure applicable for the handling of temporary installations/removals.
CLG-Q-04	Requirement	New	The supplier shall ensure that: - invitations are sent to the customer for participation in Test Readiness

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			Reviews (TRR) at least with two weeks’ notice, - review data package for TRR shall be submitted to the customer at least one week before the Test Readiness Review (TRR), - Post Test Reviews (PTR) are announced to the customer at least one week before the planned dates, followed by a confirmation at least two days before the review.
CLG-Q-05	Requirement	New	The supplier shall provide a List of KIP and MIP related to the AIT/AIV flow for each model to be approved by ASI

CLG-PAR-003 ‘Quality Assurance Plan’

The Contractor shall prepare, implement, maintain and control a Plan for all QA activities. The QA plan could be part of the overall PA Plan.

Required output:

Delivery schedule	
as for PA Plan	Quality Assurance Plan (QA Plan) , could be part of PA Plan as specified in [AD4].

4.4 Non-Conformance Control


The Contractor shall define and implement a non-conformance management process and related control system in accordance with the requirements specified by the ECSS series “Q” standards, tailored to the specific Program’s needs and constraints by document [AD05].

To this end the Contractor shall define a procedure covering all the steps, from initial notification until final close-out, for each class of non-conformance.

In particular the procedure shall clearly define the relationship between the Risk Management, the Configuration Management and the PA Management processes when handling non-conformances.

Based on the non-conformance system and on the configuration management standard, specific procedures shall also be defined for processing of Waivers/Deviations (RFW/D) that require ASI approval.

CGL-PAR-004 ‘Non conformance management’

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1. The Contractor shall define and implement a non-conformance management process and related control system in accordance with the requirements specified by the ECSS-Q-ST-10-09C.
2. Contractor shall define a Non-conformance control procedure covering all the steps of the management process, from initial notification until final close-out, for each class of non-conformance.

CGL-PAR-005 ‘Request for Deviation/Waiver management’

Based on the non-conformance system and on the configuration management standard, the Contractor shall also define specific procedures for processing of Waivers/Deviations (RFW/D) that require ASI approval.

Required output:

Delivery schedule	Required output (no specific DRDs are required)
As PA Plan, updated as necessary	Non-conformance control procedure (normative reference is ECSS-Q-ST-10-09C) could be part of PA Plan
As required/generated	Non-conformance Reports
As PA Plan, updated as necessary	Waiver/Deviation requests/ justifications process procedure, could be part of PA Plan


4.5 Qualification processing and Acceptance

The Contractor shall identify, substantiate and foresee the implementation of an incremental qualification and acceptance philosophy and process for all items that compose the “CALIGOLA” project, in order to fulfil all requirements and constraints (Programmatically and Management, Technical, PA/QA).

The Contractor’s PA Organisation shall be responsible for the incremental qualification and acceptance definition process from his sub-Contractors (suppliers). During this process the Contractor shall implement a qualification status reporting system in accordance with “CALIGOLA” project PA requirements. (ECSS-Q-ST-10C Annex B).

Appropriate Qualification and Testing Plan(s) (DRD-PA07) shall be foreseen, developed, maintained and agreed with ASI Program Manager and PA Manager, in particular for any modified or not previously qualified/tested item.

Final ASI acceptance or delivery Review(s) shall be pre-planned and prepared by the Contractor, in coordination with ASI, according to a specific procedure to be produced by the Contractor and to be approved by ASI. Foreseen “CALIGOLA” project reviews are specified in [AD2].

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A Qualification Status List of the programme items shall be maintained in conformance with ECSS-Q-ST-10C Annex B to summarize for each configuration item the status achieved with respect to the planned qualification
The delivery should include the **Final Report**, at acceptance events.

CGL-PAR-006 ‘Qualification Plan’

The Contractor PA function shall ensure that the qualification programme is defined, planned, implemented and the qualification results are recorded, evaluated and documented.

CGL-PAR-007 ‘Qualification Status List’

The Contractor PA function shall ensure that a Qualification Status List of the programme items is maintained in conformance with ECSS-Q-ST-10 C Annex B.

Required output:

Delivery schedule	
First at PRR (as a minimum, updated at major Design Reviews)	Qualification status List prepared according to ECSS-Q-ST-10C (Annex B)

4.6 Dependability


The objective of Dependability program (Reliability, Availability and Maintainability - RAM) is to ensure a successful “CALIGOLA” project by using the available technical, managerial and financial resources.

The Contractor shall identify, substantiate, prepare, maintain and implement at various levels an appropriate Dependability program - as integral part of the overall PA tasks - to fulfil Requirements and constraints (Programmatic and Management, Technical, PA). This program shall be based upon a **Dependability Plan** showing how the Contractor plans perform the Dependability tasks in conjunction with other PA and Engineering tasks during all “CALIGOLA” project phases.

Dependability discipline requirements are made applicable to the “CALIGOLA” Project by documents [AD3] and [AD5] and are tailored to the specific Program’s needs and constraints.

CGL-PAR-008 ‘Dependability’ Plan

The Contractor shall develop, maintain and implement a dependability plan for all project phases in conformance with the ECSS-Q-ST-30C Annex C.

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4.7 Safety

The Contractor shall define the safety programme and the safety technical requirements to protect from hazards:

- Flight, ground personnel and the general public,
- The launch vehicle, associated payloads, ground support equipment, the space system and associated segments and facilities,
- Public and private property,
- The environment.

The safety engineer, operating in the PA organization, will assure the implementation of the Safety program in close co-operation with design engineering and the other disciplines of the same organization (RAM, Parts Materials & Processes - PMP, Quality Assurance, etc.).

Safety is designed into the System, Safety controls shall be adequately implemented and verified.

CLG-PAR-0015 ‘Safety programme plan’

The supplier shall establish and maintain a safety programme plan in conformance with the DRD in Annex B of ECSS-Q-ST-40C, that could be part of the overall Product Assurance Plan.

Required output:

Delivery schedule	
Could be part of the PA plan	Safety programme plan


Required output:

Delivery schedule	
as part of the PA plan	Dependability Plan prepared according to Annex “A” of [AD4]

4.7 Critical Items Control

The Contractor shall establish and maintain a list of **Critical Items**, if any, that provides the rationale for their identified criticality and the specific actions taken to reduce the criticality levels. Periodic Risk analysis and assessment will contribute to the identification of Critical Items.

A close-out reference shall be recorded when the corresponding actions have been implemented.

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CGL-PAR -009 ‘Critical Items List’

The Contractor shall establish and maintain a Critical Items List till FRR, according to ECSS-Q-ST-10-04C Annex A.

Required output:

Delivery schedule	
as required by the contract/SoW	Critical Items List prepared according to ECSS-Q-ST-10-04C Annex A

4.8 EEE Components Control.

The objectives associated with EEE Components control program is to ensure that the Equipments (S/S, units, components) to be developed will satisfy the performance/reliability requirements during the intended life-time of the “CGL” Project, by an appropriate evaluation, selection, procurement and control process.

The Contractor shall prepare an **EEE Components Control Plan** to ensure that the selection, approval, procurement, and use of EEE components in all flight hardware meet the “CALIGOLA” Project Dependability requirements. The corresponding required activities are defined by documents [AD3] and [AD5], tailored to the specific Program’s needs and constraints, also taking into account the doc [RD01], limited to the section dealing with **ECSS-Q-ST-60C**.

CGL -PAR -010 ‘Component Control Plan’


The Contractor shall define a component control plan to control the selection, approval, procurement, handling in a schedule compatible with requirements contract and in a cost-efficient way. This CCP may be part of the overall project PA plan.

CGL-PAR -0011 ‘Declared Component List’

The shall issue a DCL in an editable electronic format, identifying all component types needed in conformance with its DRD in Annex B of ECSS-Q-ST-60C.

Required output:

Delivery schedule	(no specific DRDs are required)
As required by the contract	EEE Component Control Plan (CCP) , could be part of PA Plan, (as prescribed by ECSS-Q-ST-60C, Annex A)
As required by the contract	Declared Component List (DCL) (as prescribed by ECSS-Q-ST-60C, Annex B)

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4.9 Materials, Parts & Processes

The objectives associated to Materials, Mechanical Parts and Processes (MMPP) selection is to ensure that they will satisfy the performance requirements during the intended life-time of the “CALIGOLA” Project, by an appropriate approach for evaluation, selection, procurement and control process of MMPPs .

The Contractor shall define in the PA Plan the Materials, Parts and Processes Assurance organisation and associated tasks. With this plan it shall be ensured that the selection, approval, procurement, and usage of Materials, Mechanical parts and Processes for all flight hardware meet the “CALIGOLA” System Dependability requirements. The corresponding required activities are defined by documents [AD3] and [AD5] and are tailored, to the specific Program’s needs and constraints, according to the ECSS-Q-ST-70 C standard.

Any process that involves hazards above “marginal” shall be identified as “Critical Item” and reported to ASI through the **Critical Items List**.

A breakdown of MMPP lists and suitable examples are given in ECSS-Q-ST-70C, DRD in Annex “A”, “B”, “C”. These lists shall be consolidated up to subsystem level (as a minimum).

CGL-PAR-0012 ‘Declared Process List’

The Contractor shall establish and maintain a declared processes list in conformance with Annex C of ECSS-Q-ST-70C.


CGL-PAR-013 ‘Declared Material List’

The Contractor shall establish and maintain a declared materials list in conformance with Annex A of ECSS-Q-ST-70C.

CGL-PAR-014 ‘Declared Mechanical Parts List’

The Contractor shall establish and maintain a declared mechanical parts list in conformance with Annex B of ECSS-Q-ST-70C.

Delivery schedule	(no specific DRDs are required)
as required by the contract/SoW	Declared Process List (DPL)
as required by the contract/SoW	Declared Material List (DML)
as required by the contract/SoW	Declared Mechanical Parts List (DMPL)

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4.11 Software

The Contractor shall prepare, maintain and implement a Software PA program and tasks as part of the overall PA tasks. This program shall be based upon a **SW PA Plan** showing how the Contractor intends to perform the Software PA tasks, in conjunction with other PA and SW Engineering tasks, during all Program’s phases.

SW PA discipline requirements are made applicable to the “**CALIGOLA**” by documents [AD3] and [AD6] and are tailored, to the specific Program’s needs and constraints according to the **ECSS-Q-ST-80 C** and **ECSS-E-ST-40 C** standard.

The **SW PA Plan** shall describe how the Contractor plans verify that the SW PA program will be accomplished and how the Contractor intends to perform supervisory and monitoring actions on sub-Contractors (suppliers) in charge of developing, integrating, validating software (during whole SW life cycle). Contractor’s internal company procedures may be referenced in the SW PA Plan, in this case they shall be provided to ASI on request.

Dependability analysis will determine the contribution of software to potential System, S/System, Equipment failure conditions and therefore determine the corresponding software criticality levels.

Software criticality levels shall be used to modulate the software PA requirements that apply to the corresponding software developments.

CGL-PAR-0016 ‘Software PA Plan’

The supplier shall develop a software product assurance plan in response to the software product assurance requirements in conformance with DRD in annex B of ECSS-Q-ST-80C; this plan could be a section of overall Product Assurance Plan.

Required output:

Delivery schedule	
Part of the PA Plan	Software PA Plan prepared according to Annex “A” of [AD4].

6. ANNEX “A”- DELIVERABLES.

For those deliverables where no specific DRD has been required (*) the Contractor shall propose one for ASI approval, according to ECSS applicability, at offer evaluation time. The “first issue” of a document shall be a document that has obtained internal Contractor’s approval as its contents is suitable for the intended use.




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Outputs N.	DRD no.	Deliverable title	ASI action	First issue required by (event or milestone)
PA DOCUMENTATION				
1	DRD-PA-00	Product Assurance Plan	A	as required by [AD2]
2	DRD-PA-xx	PA Progress Report	R	as required by the contract/SoW
3	DRD-PA-xx	Quality Assurance Plan - could be part of PA Plan	A	as PA Plan
4	DRD-PA-xx	Non-conformance control procedure - could be part of PA Plan	A	as PA Plan
5	DRD-PA-xx	Non-conformance reports	A	as required/generated
6	DRD-PA-xx	Waiver/Deviation requests/justifications process procedure - could be part of PA Plan	A	As PA Plan
7	DRD-PA-07	Qualification Plan	A	Could be part of another document (Design, Development, Verification Plan,...)
8	DRD-PA-xx	Qualification Status List	R	as required by the contract/SoW
9	DRD-PA-06	Critical Items List	R	as required by the contract/SoW
10	DRD-PA-xx	Dependability Plan - could be part of PA Plan	A	as PA Plan
11	DRD-PA-00	Component Control Plan - could be part of PA Plan	R	as PA Plan
12	DRD-PA-xx	Declared Component List (DCL)	R	as required by the contract/SoW
13	DRD-PA-xx	Declared Process List (DPL)	R	as required by the contract/SoW
14	DRD-PA-xx	Declared Material List (DML)	R	as required by the contract/SoW

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Outputs N.	DRD no.	Deliverable title	ASI action	First issue required by (event or milestone)
15	DRD-PA-xx	Declared Mechanical Parts List (DMPL)	R	as required by the contract/SoW
16	DRD-PA-xx	Safety Programme Plan- could be part of PA Plan	A	As PA Plan
17	DRD-PA-XX	Software PA Plan- could be part of PA Plan	A	As PA Plan
18	DRD-PA-XX	End Item Data Packages (EIDP)	A	as required by the contract/SoW

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TITLE: PRODUCT ASSURANCE PLAN
DRD NO.: PA00
REMARKS: this plan shall be approved by ASI
INTENDED USE OR APPLICATION: . The PA Plan of the Prime Contractor shall describe how the Contractor intends to implement and verify that the PA program will be accomplished and how the Contractor intends to perform supervisory and monitoring actions on sub-Contractors and suppliers. Contractor’s internal company procedures may be referenced in the PA Plan, in this case they shall be provided to ASI on request.
REFERENCES, INPUTS AND RELATED DOCUMENTS: Program Management Plan, Program Development Plan, Program Verification Plan.
DOCUMENT DESCRIPTION: The PA Plan, including separate sections corresponding to the various PA disciplines and activities, shall be prepared according to the instruction provided in the applicable document [AD4]. Note. Contractors should be aware that referencing internal Company’s procedures in the PA Plan will limit the Company's ability to unilaterally change these Company’s procedures. Any change to procedures shall be considered as modifications to the PA Plan (requiring ASI’s approval). MINIMUM CONTENTS <ul style="list-style-type: none"> • The DRD in Annex A of ECSS-Q-ST-10 applies to the overall Plan • The DRDs listed below apply additionally to the Sections relevant to the following specific disciplines: <ul style="list-style-type: none"> - Quality Assurance: DRD in Annex A of ECSS-Q-ST-20, - Dependability: DRD in Annex C of ECSS-Q-ST-30, - Safety: DRD in Annex B of ECSS-Q-ST-40, - Software Product Assurance: DRD in Annex B of ECSS-Q-ST-80. NOTE: Separate plans can be provided for specific PA disciplines instead than one single PA Plan.

TITLE: CRITICAL ITEMS LIST
DRD NO.: PA06
REMARKS: For ASI review
INTENDED USE OR APPLICATION: The Dependability and Safety technical risk identification , reduction and control as part of the Program Risk Management Process.
REFERENCES, INPUTS AND RELATED DOCUMENTS: ECSS-Q- ST-10-04C , Program Risk assessment

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TITLE: CRITICAL ITEMS LIST
DRD NO.: PA06
<p><u>DOCUMENT DESCRIPTION:</u> To identify and track the critical items as a result from risk assessment. The dependability critical items list shall contain the list of all items identified by dependability analyses performed to support the risk reduction and control process.</p> <ul style="list-style-type: none"> • classification of functions and items • identified risk • critical levels • causes • actions and recommendations for risk reduction • due date • risk decisions • verification of risk reductions

TITLE: QUALIFICATION PLAN
DRD NO.: PA07
<p><u>REMARKS:</u> For ASI Review</p>
<p><u>INTENDED USE OR APPLICATION:</u> The Qualification Plan identifies methods and parameters that will be used for the Item qualification. Qualification results will confirm that the specified design qualification has been met. Qualification reports summarize the results of the qualification and are used to justify the use of the Items that are built to the same configuration baseline.</p>
<p><u>REFERENCES, INPUTS AND RELATED DOCUMENTS:</u> Statement of Work. Process Design, Development Plan. PA Plan and Requirements</p>
<p><u>DOCUMENT DESCRIPTION:</u></p> <ul style="list-style-type: none"> • The Qualification Plan format shall be proposed by Contractor and may be combined with the Design & Development Plan, including all resources necessary to effectively implement the Qualification Plan. • The content of the Qualification Plan shall follow the items identified in the table of contents of the contractual document. <p>Qualification results shall be discussed, summarized and appropriate conclusions stated in a Qualification Report.</p>