



Tailoring of ECSS Standards

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Progetto Premiale “Rischi Naturali Indotti dalle Attività Umana - COSTE”

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1. INTRODUCTION

1.1 SCOPE OF THE DOCUMENT

The document establishes the tailoring for applicable ECSS Standards, in accordance to documents [R.D.01], taking into consideration Project Risks and Characteristics. The document is lower-level in hierarchy wrt the “Allegato Tecnico Gestionale” [A.D.01].

The document has been produced by Quality and the Earth Observation Operative Units.

1.2 FIELD OF APPLICATION

The present document is applicable to the “Progetto Premiale “Rischi Naturali Indotti dalle Attività Umana - COSTE”.

2. DOCUMENTS

2.1 APPLICABLE DOCUMENTS

[AD1] “Capitolato Tecnico” del Contratto DC-OST-2015-034

2.2 REFERENCE DOCUMENTS

[RD1] Istruzione Operativa “Istruzione Operativa “Linee guida per il Tailoring delle norme ECSS” ASI document n° OP-QTA-2012-003

3. TAILORING OF THE STANDARD

Section 4 defines the list of standards which are applicable to the Contract.


The ECSS standard is intended to be used with the extension required by the program phase.

The ECSS Standard shall be made applicable to all the supply chain.

Starting from the present document the Contractor shall develop the tailoring of the ECSS Standard to be made applicable to subcontractors on the basis of project characteristics.

The Contractor shall ensure application of ECSS Standards down to the lower level of the supply chain. Instruction for the second level tailoring is included in Section 5.

REMARK: as ECSS Standard is under continuous development/update, the final list of the applicable standard shall be frozen at contract signature.

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4. “FIRST STEP TAILORING” TABLES

General documents

Project Characteristics and Risks (justification for selection)	ECSS Standard	Title	Applicability	Remarks
The Glossary and general terms are applicable	S-ST-00-01C	Glossary of terms	Yes	



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Series ECSS “M” – Management

Project Characteristics and Risks (justification for selection)	ECSS Standard	Title	Applicability	Remarks
Configuration control is needed in order to ensure interface control also considering the project organization complexity	M- ST-40C	Configuration and Information management	Yes	<i>Only the main aspects regarding the present phases of the program</i>
Technological innovation could introduce risk factors. This standard must be used for risk analysis and control.	M- ST-80C	Risk management	Yes	<i>Only the main aspects regarding the present phases of the program</i>



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Series ECSS “Q” – Product Assurance

Project Characteristics and Risks (justification for selection)	ECSS Standard	Title	Applicability	Remarks
Quality Assurance is applicable in order to guarantee achievement of contractual obligation and requirements	Q-ST-80C	Software Product Assurance management	Yes	<i>Only the main aspects regarding the present phases of the program</i>



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Series ECSS “E” – Engineering

Project Characteristics and Risks (justification for selection)	ECSS Standard	Title	Applicability	Remarks
Relevant to the project products	E-ST-40C	Space engineering - Software	Yes	



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5. “SECOND STEP TAILORING”

The Second Step Tailoring consists in the analysis and definition of the applicability of each requirements included in each single selected ECSS standard.

This process is developed by the Contractor, with the participation of ASI, if necessary for clarifications, and finally approved by ASI.

The Contractor shall repeat the Tailoring process (First and Second Step) with Subcontractor and require application of the Tailoring process at all level of the supply chain.

Each requirement included in the ECSS standard shall be analysed in order to assess its applicability and considered as follows, depending on the project characteristics:

A= Applicable

NA= Not Applicable

NR= New Requirement

MR= Modified Requirement

The following table shows an example of the required output.

Example:

ECSS-Y-XX Req. /paragr.	Requirement Description	Applicability	Differences
2.3.1	<Requirement description>	A	
2.3.4	<Requirement description>	NA	Not applicable.. <to be justified>
4.5	<Requirement description>	MR	To write modified requirement and justification, if relevant
5.6	<Requirement description>	NR	To write text of the new requirement