APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

CONNECTORS,RF, COAXIAL, SOLDER AND CRIMP CONTACTS, MALE, FEMALE ADAPTORS AND CONNECTING PIECES,BASED ON TYPE SMA $2.9\,$ Component Title:

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	Executive Member: CNES Date: 12/05/2025 283 I						283 H			
Components (including series and families) submitted for Extension of Qualification Approval:										
ESCC COMPONENT NO.	VARIANTS	RANGE OF COM	1PONENTS		ASED ON		TEST (VEHICLE / S		OMPONENT SIMILAR	
3402/021	01 to 5 & 07		Frequency Range 0-40 GHz Frequency Range 0-36 GHz				340202101B301 340202102B301 1			
3402/022	01 to 05	Solder type contact for semi rigid cables, con strip					340202203B301 340202202B301			
3402/023	01 to 06	Shell material and fin amafnetic stainless st temperature range (°0				340202302B301				
Component Ma	anufacturer 2	Location of Mar	nufacturing Plant((s)	3					4
Radiall		RADIALL (Usine de C Romanet 38340 vire		e emile		Date of Date:	Date of original qualification approval: Date: 01/12/2007			
						Certific	cate Ref No. 283			
	5	_			6					7
ESCC Specifications Maintenance of quality		Deviations to LVT tes used:	sting and Detail S	on	Qualification Extension Report reference and date:					
Generic: 3402	Issue 6	No □ Yes	⊠ (supply de 15)	TEST REPORT n° 2024.12.036 du 16/12/2024 TEST REPORT n°2023.50.145 du 19/02/2024						
Detail(s): 3402/02		Deviation from currer	Deviation from current Specifications:			ILOT	TET OIT II 2020.00.14	5 du 19/02	2/2024	
3402/022 3402/023	Issue 6 Issue 8	No ⊠ Yes □ (Supply details)								
										8
	1	esults during current val		pport of the		plication	(those to ESCC listed f			
Project Name See PID Annex 4	Testing Level	LAI		Jale Code		_	Quantity	y Delivered	1	
PID changes since st	art of qualification	9	Current PID V	erified by			CNES		T	10
None 🗆	•	<u></u>		,		Na	ame of Excutive Represe	entative		
Minor* ⊠			Ref No: F	PAQP- VC)R 006	64(F)				
Major* □	*Provide details in box:		1	2 rev. A			Date:	: 15	5/04/2024	
	see box 14		Rev Date: 1	15/04/2024	4					11
Current Manufacturing facilities surveyed by:			CNES			on	16	6/01/2020	L	11
(Nar			ne of Executive Representative)			_		(Date)		
Satisfactory:	Satisfactory: Yes No Explain									
Report Reference:	_CR_visite_radiall_	_16_01_2020								

ESCC

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			ON T	YPE SI	ЛА 2.9						
	Executive	Member:					Date:	12/05/2025		283	Н
	•										12
Failure Analysis, DPA, NCCS ava	ailable:	Yes		No		(Supply data)					
Ref. No's and purposes:											
											13
The undersigned hereby certifies on behalf											13
hat the appropriate documentation has be except as stated in box 15;) - that the repo											
CNES as the responsible Executive Memb	per for ESC	a are avaii C qualifica	iable at i	tus to be	e extend	ded to the compo	nent(s) li	sted herein.			
					_	Signature	2			L. FON	ITAIN
Date: 12/05/2025					Fo	ntai numériqu Fontaine	ue de Lya —				
					ne	Date:	(8	Signature of the	e Executive	Coordinator)	
Continuation of Boxes above:						14:33:23					
											14
Box 5, box 6 and Box 9:											
PID refers to the generic specification ESC	°C 3402 iccu	ıe 6 (
To refers to the generic specification ESC	0 3402 1550) 0 91									
3ox 12											
10X 12											
Modification of PID											
Tourisation of Fib											
Appendices updated due to version issue											



APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

CONNECTORS,RF, COAXIAL, SOLDER AND CRIMP CONTACTS, MALE, FEMALE ADAPTORS AND CONNECTING PIECES,BASED ON TYPE SMA $2.9\,$

CNES Date: 12/05/2025 Executive Member:

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Non compliance to ESCC requirements:					
No.:	Specification	Paragraph	Non compliance		
1	ESCC 3402 issue 6	12.4	Deviation from Chart F4 Sequence		
Additional	tasks required to achieve full compliance for	ESCC qualification or rationale for acceptability	of non-compliance	16	
The justifi	cation for the deviation is described hereafter:				
ESCC340 ESCC340 A RFD S2 In Lot Val assembly Being not additional under CN configurati	02/021 Variants 01 and 02 02/022 Variants 01 and 02 02/021 Variants 03 to 05 02/0401 rev.A has been applied and consists in idation testing Flow Chart (F4) of ESCC3402 i is needed to electrically characterize the conr sustainable the random vibration level (50 grr pigtails have been dedicated to this purpose. ES control for cable assemblies, ESCC3408 c tions (i.e. the ones to be crimped and brazed for	ssue 6, Random vibration and Electrical measu nectors. ns) required by the ESCC3402 issue 6 for the c In parallel taking advantage of a renewal of a c thart F4B has been deployed only for connector	rement are required: cable oncerned cable assemblies, apability approval		
Executive	Manager Disposition			17	
Application Action / R	n Approval: Yes ⊠ No □ emarks:				

Ali Zadeh Digitally signed by Ali Zadeh Date: 2025.06.02 10:38:57 +02'00'

Date:

A.Zadeh: Head of the Avionics and EEE Division

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ANNEX 1: LIST OF TESTS DONE TO SUPPORT EXTENSION OF QUALIFICATION

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Tests conducted in compliance with:

- ESCC 3402 generic specification; Chart V (for ESCC/QPL parts); Or PID-TFD PAQP-VOR 0064 (F) issue 02 rev A (for ESCC/QML parts)

Tests vehicle identification/description:

ESCC 340202101B301 (DC2345A)	
ESCC 340202102B301 (DC 2347A) ESCC 340202203B301 (DC2339A)	
ESCC 340202303B301 (DC2339B),	
ESCC 340202302B301 (DC2339A))	

Detail Specification reference:

Chart	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
	Mating and unmating Force		ESCC 3402, Para. 8.11	2339A 2339B 2210A 2350A	4,2,2,4	0	
	Random Vibration	\boxtimes	ESCC 3402, Para. 8.15	2345A 2347A 2339A 2339B 2210A 2350A	3,3 4,2,2,4	0	
	Mechanical shock	\boxtimes	ESCC 3402, Para. 8.16	2339A 2339B 2210A 2350A	4,2,2,4	0	
	Temperature cycling	\boxtimes	ESCC 3402, Para. 8.8	2339A 2339B 2210A 2350A	4,2,2,4	0	
	Thermal Stability of insertion loss		ESCC 3402, Para. 8.17	2339B 2210A	2 ,2	0	Only applicable to connector transition, adaptor and connecting piece components
	Shielding effectiveness	\boxtimes	ESCC 3402, Para. 8.18	2339B 2210A	2,2	0	Only applicable to connector transition, adaptor and connecting piece components
	Electrical measurements at room temperature	\boxtimes	ESCC 3402, Para. 8.9.9	2339A 2339B 2210A 2350A	4,2,2,4	0	
art F4	Endurance	\boxtimes	ESCC 3402, Para. 8.19	2339A 2339B 2210A 2350A	4,2,2,4	0	
ESCC 3402 issue 5 chart F4	Seal		ESCC 3402, Para. 8.13	Click here to enter text.	Click here to enter text.		Only applicable to hermetically sealed, barrier-sealed or panel-sealed components
ESCC 34	Coupling Proof Torque	\boxtimes	ESCC 3402, Para. 8.10	2339A 2339B 2210A 2350A	4,2,2,4	0	

External Visual Inspection	\boxtimes	ESCC 3402, Para. 8.14	2339A 2339B 2210A 2350A	4,2,2,4	0	
Destructive Physical Analysis		ESCC 3402, Para. 8.17	2339A 2350A	2	0	



Box 22

Additional Comments.

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NOTES ON THE COMPLETION OF THE APPLICATION FORM FOR ESCC QUALIFICATION EXTENSION APPROVAL

NO7	ES ON THE COMPLETION OF THE APPLICATION FORM FOR ESCC QUALIFICATION EXTENSION APPROVAL
ENTRIES	
Form heading	shall indicate: - the title of the component as given in its detail specification or the name of the series, family; - the Executive Member; - the entering date; - the certificate number and its sequential suffix.
Box 1	shall provide details given in the table; in particular there shall be listed: - the variants or range of variants; - the range of components (the ESCC code is recommended to indicate the values or values range, the tolerance, the voltage, etc); the designation given in the detail specification as 'base on'; - under Test Vehicle enter either an ESCC code or the specific characteristic capable of identifying the component tested (e.g., voltage of coil for a relay); - under component similar enter a cross if relevant.
Box 2; 3 and 4	As per QPL entry; otherwise, an explanation of the changes must be supplied.
Box 5	Will show the ESCC Generic and Detail specifications, including issue number and revision letter, current at the time the tests reported were performed. If the specifications are different from those current on the date of the application, see Box 6.
Box 6	Will show the deviations from the Generic and Detail Specifications listed in Box 5, in particular deviations from testing. In case of deviations this must be listed in Box 15. In case the referenced specification in Box 5 have currently a different issue and/or revision indicate also whether the test data deviates or not from such current documents.
Box 7	Must reference the report(s) supplied in support of the application.
Box 8	Should provide the details of procurement to the full ESCC System, documentation of all of which should already have been delivered to the ESCC Executive under the terms of the relevant Generic Specification. An appropriate table has been drawn in this box.
Box 9	If the PID evolved after the Original Qualification or after the last Extension of Qualification, adequate details of such evolution shall be provided together with the reasons for the changes. Major changes shall be clearly marked.
Box 10	Identify the current PID issue status, date and actual date of verification. The date of verification of the current PID should be arranged as close as possible to the required date of extension.
Box 11	This box can be completed only after a physical visit to the plant to confirm that no unexplained changes occurred and that the practices, procedures, material, etc. used in manufacturing the components are as described in the PID. This survey shall be carried out in accordance with the requirements of ESCC Basic Specification No. 20200 and its findings shall be recorded.
Box 12	Provide details of, or reference to, any Destructive Physical Analysis (DPA) and Failure Analysis reports as well as any Nonconformance(s) (NCCS) occurred during the qualification validity period, stating if established corrective action have produced satisfactory results.
Box 13	Enter only the name of the Executive Member (i.e., CNES, DLR, ESTEC, etc.) and the signature of the responsible Executive Coordinator.
Box 14	To be used when there is a need to expand any of the boxes from 1 through 12. Identify box affected and reference the Box 14 in the relevant Box. Box 14 can be broken into 14a, 14b, etc. if several boxes have to be expanded.
Box 15	Fill in Table as requested.
Box 16	Any additional action deemed necessary by the Executive Member to bring the submitted data to a standard likely to be accepted by the ESCC Executive should be listed herein or the reason(s) to accept the noncompliance.
Box 17	All Executive Manager recommendations on the application itself, special conditions or restrictions, modifications of the QPL or QML entry, letters to the manufacturer, etc. shall be entered clearly in Box 19, signed by the representative for ESA, and dated.
Box 18	Fill in Table as requested.
Box 19	Confidential Details of PID changes including those of a confidential nature, shall be provided.
Box 20	State noncompliance with reference to specification(s) and paragraph(s). To simplify reference in Box 16 each nonconformance shall be sequentially numbered. If relevant state 'None'.
Box 21	Any additional action deemed necessary by the Executive Member to bring the submitted data to a standard likely to be accepted by the ESCC Executive should be listed herein or the reason(s) to accept the noncompliance.