		APPLICATION FOR EXTENSION OF ESCC QUAL				CATION APPROVAL		Page 1
ESCC		Component Title: RF FLEXIBLE CABLE ASSEMBLY OHMs, DC TO 8GHZ				, VERY HIGH POWER, 50	D	Appl. No.
		Executive Member:			D		348A	
Components (includi	ng series and families	s) submitted for Extension of Qualification Approval:						1
ESCC COMPONENT NO.	VARIANTS	RANGE OF CO	RANGE OF COMPONENTS BASED ON				CON	/PONENT IMILAR
3408/001	7001 4 to 13 Frequency range C angle and straight for flexible 7,6 mm			TNC type		Variant 5, VHP Straight Plug/ TNC VHP Right Angle Plug, Cable assemblies R23008808100007,		
		Right angle and stra assembly for flexible	Right angle and straight cable assembly for flexible 7,6 mm cable					
		Temperature range	-165/+165°C					
					r			
Component M RADIALL	anufacturer	2 Location of M RADIALL 39 RUE VELPEAU BP30-37110 Chate: (France)	anufacturing Plant	(s) <u>3</u>	Date Date: 16/04 Certit 348	of original qualification ap 1/2018 ficate Ref No.	proval:	4
ESCC Specifications Maintenance of quali Generic: 3408 Detail(s): 3408/00	used for fication testing: Issue: 2 1 Issue 1 :	5 Deviations to LVT to used: No ⊠ Yes Deviation from curro No ⊠ Yes	6 Deviations to LVT testing and Detail Specification used: Qualification Extension Report reference and date: No ⊠ Yes (supply details in Box 15) Deviation from current Specifications: TEST REPORT N° C2020040012, 08/0 No ⊠ Yes (Supply details)			12, 08/09/2	2020	
								8
Summary of procure Project Name	nent or equivalent tes Testing Leve	st results during current v	alidity period in su	upport of this ap Date code	plicatio	n (those to ESCC listed fin Quantity	rst) Delivered	
See appendix								
PID changes since s	art of qualification	9	Current PID	/erified by:		A. Bonzi, CNES		10
None			Dof No:		N	ame of Excutive Represer	ntative	
Minor* Major* *Provide details in box:			Issue: ReV F		Date:		24/1	1/2020
			Rev Date:	30/10/2020				11
Current Manufacturing facilities surveyed by:			JB Sauveplane, CNES			24/	11/2020	
	ne of Executive Re	epresentative)		(Date)			
Satisfactory:	Yes 🖂	No 🗆 Ex	plain					
Report Reference:	CNES certificat	e 13-98 issued						

	APPLICAT	ION FOR EXTENSIO		TION APPROVAL	Page 2
ESCC	Component title:	RF FLEXIBLE CAE OHMs, DC TO 8GH	BLE ASSEMBLY TNC, VE	ERY HIGH POWER, 50	Appl. No.
	Executive Member:		Date:	08/01/2021	348A
Failure Analysis, DPA, NCCS ava	ilable: Yes	⊠ No □	(Supply data)		12
Ref. No's and purposes: See microse	ections, test 14 in TES	ST REPORT N° C202	0040012		
					13
The undersigned hereby certifies on behalf hat the appropriate documentation has bee except as stated in box 15;) - that the repo CNES as the responsible Executive Memb	of the ESCC Executiven evaluated; - that ful rts and data are availated of er for ESCC gualificat	re - that the above info I compliance to all ES able at the ESCC Exe- tion status to be exten	ormation is correct; - CC requirements is evide cutive and therefore appli- ded to the component(s)	nce es on behalf of listed herein.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
·					write
Date: 19/01/2021				JP. BUSSENO	T
			(;	Signature of the Executive C	
ontinuation of Boxes above:					14

		APPLICAT	ION FOR EXTENSION OF ESCC QU/	ALIFICATION APPROVAL	Page 3
and a	ESCC	Component title:	RF FLEXIBLE CABLE ASSEMBLY OHMs, DC TO 8GHZ	TNC, VERY HIGH POWER, 50	Appl. No.
		Executive Member:		Date: 08/01/2021	348A
Non comp	liance to ESCC requirements:				15
No.:	Specification		Paragraph	Non compliance	e
Additional noncompli	tasks required to achieve full co	mpliance for ESCC q	ualification or rationale for acceptability	y of	16
Executive	Manager Disposition				17
Application Action / Re	n Approval: Yes ⊭ emarks:	No 🗆		SH SM Digitall by Britt Date: 2 18:57:0	y signed a Schade 021.02.23 7 +01'00'
				B. Schade: Head of the Produ and Safety Departm	ct Assurance nent

	APPLICAT	Page 4				
ESCC	Component Title: RF FLEXIBLE CABLE ASSEMBLY TNC, VE OHMs, DC TO 8GHZ		TNC, VERY HIGH	ERY HIGH POWER, 50		D.
	Executive Member:		Date:	08/01/2021	348A	
ANNEX 1: LIST OF TESTS DONE TO SU	PPORT EXTENSION	OF QUALIFICATION				18
Tests conducted in compliance with:						
 ESCC 3408 generic specification Or PID-TFD 	on; Chart F4B (for E (for ESCC/QML	SCC/QPL parts); .parts)				
Tests vehicle identification/description:						
TNC VHP Straight Plug (Side A) / TNC V (Side B) cable assemblies R2300880810	HP Right Angle Plug 0007 batch 1951					
		1				

Detail Specification reference:

ESCC3408/001 issue 1

Chart F4B	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
	Visual Inspection & Interface Dimensions	\boxtimes	ESCC Basic Specification No. 20500	1951	5	0	
	VSWR & Insertion Loss	\boxtimes	As specified in Detail Specification	1951	5	0	
	Shielding Effectiveness (Initial)	\boxtimes	IEC Publication No. 61726	1951	5	0	
irt F4B	Thermal Stability of Insertion Loss (initial)	\boxtimes	Para 8.35 (ESCC 3402)	1951	4	0	
)8 cha	Thermal Cycles - C (100 cycles)	\boxtimes	Para 8.17.3 (ESCC 3402)	1951	4	0	
ence as detailed in the ESCC 340	Thermal Stability of Insertion Loss (Final)	\boxtimes	Para 8.35 (ESCC 3402)	1951	4	0	
	RF Power Handling	\boxtimes	Para 8.33 (ESCC 3402)	1951	4	0	
	RF Power Cycling	\boxtimes	Para 8.34 (ESCC 3402)	1951	4	0	
	Shielding Effectiveness (Final)	\boxtimes	IEC Publication No. 61726	1951	4	0	
	Electrical Measurement at room, High & Low temperature	\boxtimes	Para 8.20.4 (ESCC 3402)	1951	4	0	
Sequ	Coupling proof torque	\boxtimes	Para 8.18 (ESCC 3402)	1951	4	0	
	External Visual Inspection	\boxtimes	Para 8.24 (ESCC 3402)	1951	4	0	
	Radiographic Inspection (X-Ray)	\boxtimes	Para 8.22 (ESCC 3402)	1951	3	0	
	DPA (Micro- sectioning)	\boxtimes	Para 8.38 (ESCC 3402)	1951	3	0	

		APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL				Page 6	
ESCC		Component title:	RF FLEXIBLE CABLE ASS OHMs, DC TO 8GHZ	EMBLY TNC, VEP	RY HIGH POWER, 50	Appl. No.	
		Executive Member:		Date:	08/01/2021	348A	
NOTE	S ON THE COMPL	ETION OF THE APP	LICATION FORM FOR ESCC	QUALIFICATION	EXTENSION APPROVA	L	
ENTRIES Form heading	shall indicate: - the - the entering date	e title of the componen ; - the certificate num	t as given in its detail specifica ber and its sequential suffix.	tion or the name of	the series, family; - the Ex	ecutive Member;	
Box 1	shall provide detai (the ESCC code is the detail specific identifying the con	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 explana	ation of the changes must be s	supplied.			
Box 5	Will show the ES reported were per	CC Generic and Deta formed. If the specifica	ail specifications, including iss ations are different from those	sue number and ro current on the dat	evision letter, current at th e of the application, see B	ne time the tests ox 6.	
Box 6	Will show the devi deviations this mu indicate also whet	ations from the Gene st be listed in Box 15. her the test data devia	ric and Detail Specifications li In case the referenced specifi ates or not from such current c	sted in Box 5, in p cation in Box 5 hav locuments.	articular deviations from te ve currently a different issu	esting. In case of e and/or revision	
Box 7	Must reference the	e report(s) supplied in	support of the application.				
Box 8	Should provide the to the ESCC Exec	e details of procuremen utive under the terms	nt to the full ESCC System, doo of the relevant Generic Speci	cumentation of all c fication. An approp	f which should already hav riate table has been drawn	re been delivered n in this box.	
Box 9	If the PID evolved be provided togeth	after the Original Qua her with the reasons fo	lification or after the last Exter or the changes. Major changes	nsion of Qualifications shall be clearly m	on, adequate details of suc arked.	ch evolution shall	
Box 10	Identify the currer arranged as close	nt PID issue status, c as possible to the rec	late and actual date of verific quired date of extension.	ation. The date o	f verification of the currer	t PID should be	
Box 11	This box can be on practices, procedure out in accordance	completed only after a ires, material, etc. use with the requirements	a physical visit to the plant to d in manufacturing the compo s of ESCC Basic Specification	confirm that no un nents are as descr No. 20200 and its	nexplained changes occur ibed in the PID. This surve findings shall be recorded	red and that the y shall be carried	
Box 12	Provide details o Nonconformance(satisfactory results	f, or reference to, a s) (NCCS) occurred d s.	ny Destructive Physical Ana luring the qualification validity	llysis (DPA) and period, stating if e	Failure Analysis reports stablished corrective actio	as well as any n have produced	
Box 13	Enter only the na Coordinator.	me of the Executive	Member (i.e., CNES, DLR, E	STEC, etc.) and t	he signature of the respo	nsible Executive	
Box 14	To be used when the relevant Box. I	there is a need to exp 3ox 14 can be broken	oand any of the boxes from 1 into 14a, 14b, etc. if several b	through 12. Identif oxes have to be e	y box affected and referen xpanded.	ice the Box 14 in	
Box 15	Fill in Table as rec	juested.					
Box 16	Any additional act by the ESCC Exec	ion deemed necessar cutive should be listed	y by the Executive Member to herein or the reason(s) to acc	bring the submitt	ed data to a standard likel ance.	y to be accepted	
Box 17	All Executive Mana entry, letters to the	ager recommendation e manufacturer, etc. sl	s on the application itself, spec hall be entered clearly in Box *	cial conditions or re 19, signed by the r	estrictions, modifications of epresentative for ESA, and	the QPL or QML d dated.	
Box 18	Fill in Table as rec	juested.					
Box 19	Confidential Detail	s of PID changes incl	uding those of a confidential n	ature, shall be pro	vided.		
Box 20	State noncomplian shall be sequentia	nce with reference to Ily numbered. If releva	specification(s) and paragrap ant state 'None'.	h(s). To simplify r	eference in Box 16 each	nonconformance	
Box 21	Any additional act by the ESCC Exec	ion deemed necessar cutive should be listed	y by the Executive Member to herein or the reason(s) to acc	bring the submitt cept the noncompli	ed data to a standard likel ance.	y to be accepted	
Box 22	Additional Comme	ents.					