

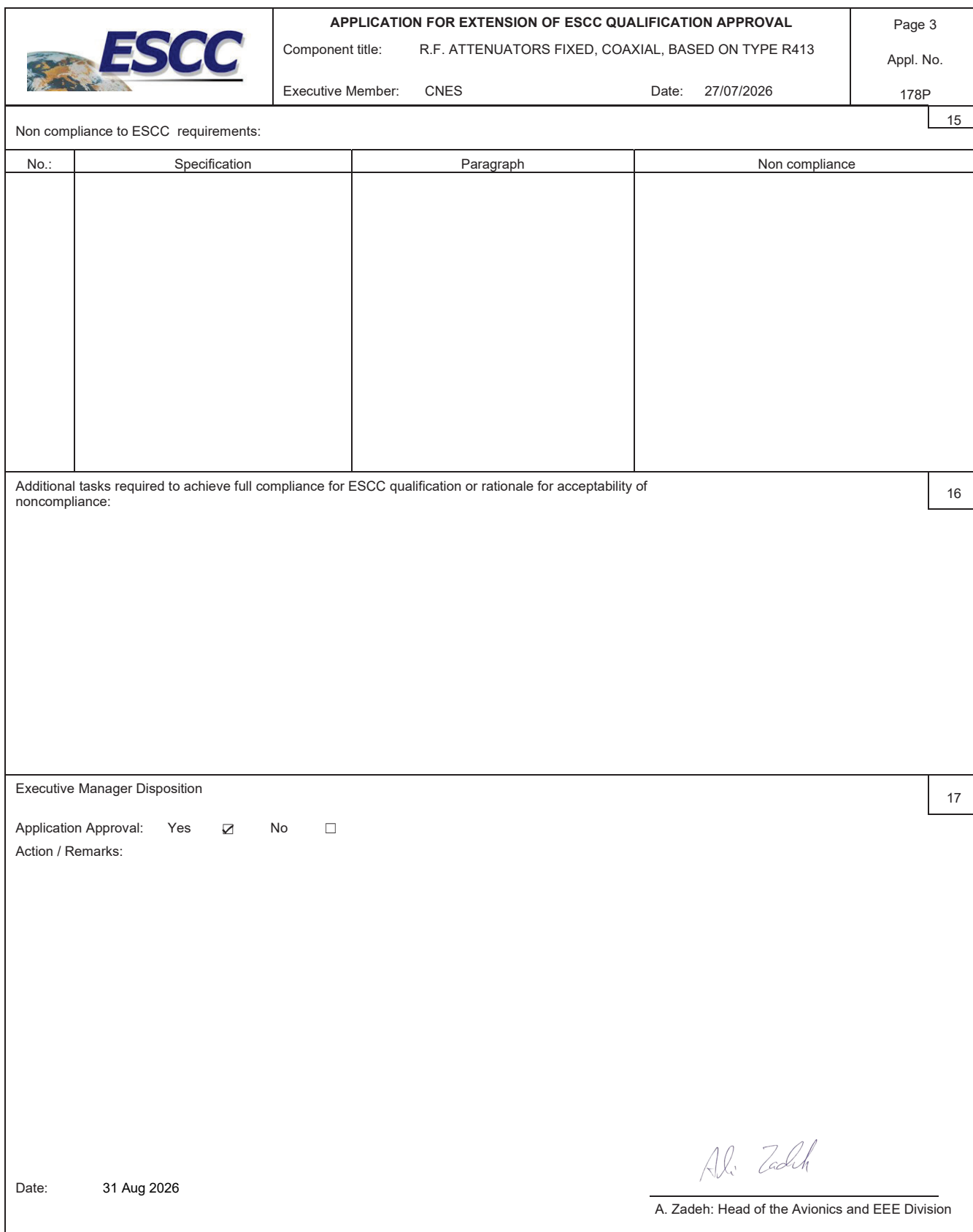
		APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL			Page 1 Appl. No. 178P
Component Title: R.F. ATTENUATORS FIXED, COAXIAL, BASED ON TYPE R413		Executive Member: CNES		Date: 27/07/2026	
Components (including series and families) submitted for Extension of Qualification Approval:					1
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR
3403/005	33	SMA, 0 dB (DC shunt)		3403/005-33	
3403/005	53	SMA, 10 dB		3403/005-53	
3403/005	63	SMA, 20 dB		3403/005-63	
3403/008	23	SMA2.9, 0 dB (DC shunt)		3403/008-23	
3403/008	33	SMA2.9, 5 dB		3403/008-33	
3403/008	43	SMA2.9, 10 dB		3403/008-43	
Component Manufacturer RADIALL		Location of Manufacturing Plant(s) SAINT QUENTIN FALLAVIER (FRANCE)		Date of original qualification approval: Date: 01/01/1991 Certificate Ref No. 178	
ESCC Specifications used for Maintenance of qualification testing: Generic: 3403 Issue: 7 Detail(s): 3403/005 Issue: 6 3403/008 : 6		Deviations to LVT testing and Detail Specification used: No ☒ Yes ☐ (supply details in Box 15) Deviation from current Specifications: No ☒ Yes ☐ (Supply details)		Qualification Extension Report reference and date: Test report n°2026.04.6867 Rev 2 – (20/05/2026) Test report n°2026.04.6868 Rev 2 – (20/05/2026) Test report n°2026.14.6622 Rev.1 – (11.06.2026) Test report n°2026.14.6623 Rev.1 – (11.06.2026)	
Summary of procurement or equivalent test results during current validity period in support of this application (those to ESCC listed first)					8
Project Name	Testing Level	LAT	Date code	Quantity Delivered	
			2023 to 2025	752	
PID changes since start of qualification None ☐ Minor* ☒ Major* ☐ *Provide details in box: Editorial changes			Current PID Verified by: CNES Name of Executive Representative Ref No: R 413 899 650.PID and 335 99 999.PID Issue: N and M Date: 30/06/2026 Rev Date: 30/06/2026		
Current Manufacturing facilities surveyed by: CNES & ESA on 28/09/2023 (Name of Executive Representative) (Date)					11
Satisfactory: Yes ☒ No ☐ Explain					
Report Reference: Radiall-AUD-2023					

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Failure Analysis, DPA, NCCS available: Yes ☐ No ☒ (Supply data) Ref. No's and purposes:		12
The undersigned hereby certifies on behalf of the ESCC Executive - that the above information is correct; - that the appropriate documentation has been evaluated; - that full compliance to all ESCC requirements is evidence (except as stated in box 15;) - that the reports and data are available at the ESCC Executive and therefore applies on behalf of as the responsible Executive Member for ESCC qualification status to be extended to the component(s) listed herein. Date: 27/07/2026		13
Continuation of Boxes above:		14

Signature _____ L. Fontaine

numérique de Fontaine Lya (Signature of the Executive Coordinator)

Date: 2026.07.27 15:54:20 +02'00'



**APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL**

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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 3403 generic specification; Chart F4 (for ESCC/QPL parts);
- Or PID-TFD (for ESCC/QML parts)

Tests vehicle identification/description:

3403/005-33	Coaxial SMA attenuator DC - 22 GHz, 0 dB DC-shunt, R340300533, 3 parts with and 3 parts without gasket, Date code 2451A, Radiall identification R413600600.
3403/005-53	Coaxial SMA attenuator DC - 22 GHz, 10 dB, R340300553, 3 parts with and 3 parts without gasket, Date code 2515A, Radiall identification R413620600.
3403/005-63	Coaxial SMA attenuator DC - 22 GHz, 20 dB, R340300563, 3 parts with and 3 parts without gasket, Date code 2515A, Radiall identification R413640600
3403/008-23	Coaxial SMA 2.9 attenuator DC - 31.5 GHz, 0 dB DC-shunt, ESCC P/N R340300823, 4 parts with and 4 parts without gasket, Date code 2606A, Radiall identification R413300630
3403/008-33	Coaxial SMA 2.9 attenuator DC - 31.5 GHz, 5 dB, ESCC P/N R340300833, 3 parts with and 3 parts without gasket, Date code 2550A, Radiall identification R413310630.
3403/008-43	Coaxial SMA 2.9 attenuator DC - 31.5 GHz, 10 dB, ESCC P/N R340300843, 3 parts with and 3 parts without gasket, Date code 2550A, Radiall identification R413320630.

Detail Specification reference: 3403/005 and 3403/008

Chart F4	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Environmental/Mechanical Subgroup	Random Vibration	☒	As specified in Detail Specification	2451A 2515A 2550A 2606A	9	0	
	Mechanical Shock	☒	As specified in Detail Specification		9	0	
	Rapid Change of Temperature	☒	As specified in Detail Specification		9	0	
	Glitches	☒	As specified in Detail Specification		14	0	
	Climatic Sequence	☒	IEC 60068-2-2 IEC 60068-2-30 IEC 60068-2-1 IEC 60068-2-13 and Detail Specification		14	0	
	Coupling Proof Torque	☒	As specified in Detail Specification		14	0	
	Mating and Unmating Forces	☒	As specified in Detail Specification		14	0	
	Radiographic Inspection	☒	As specified in PID		14	0	
Endurance Subgroup	Connector Repeatability	☒	As specified in Detail Specification		17	0	
	Glitches	☒	As specified in Detail Specification		17	0	
	Operating Life	☒	As specified in Detail Specification		17	0	
	Permanence of Marking	☒	ESCC Basic Specification No. 24800		17	0	
	Radiographic Inspection	☒	As specified in PID		17	0	



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Chart F4	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Electrical Subgroup	Residual Magnetism	☒	ESCC 3403, Para. 8.19	2451A 2515A 2550A 2606A	18	0	
	RF Leakage	☒	IEC 61726 and Detail Specification		18	0	
	Peak Power	☒	As specified in Detail Specification		18	0	
	Radiographic Inspection	☒	As specified in PID		18	0	
Additional Tests		☐					
		☐					
		☐					

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NOTES 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.	
Box 22	Additional Comments.	