
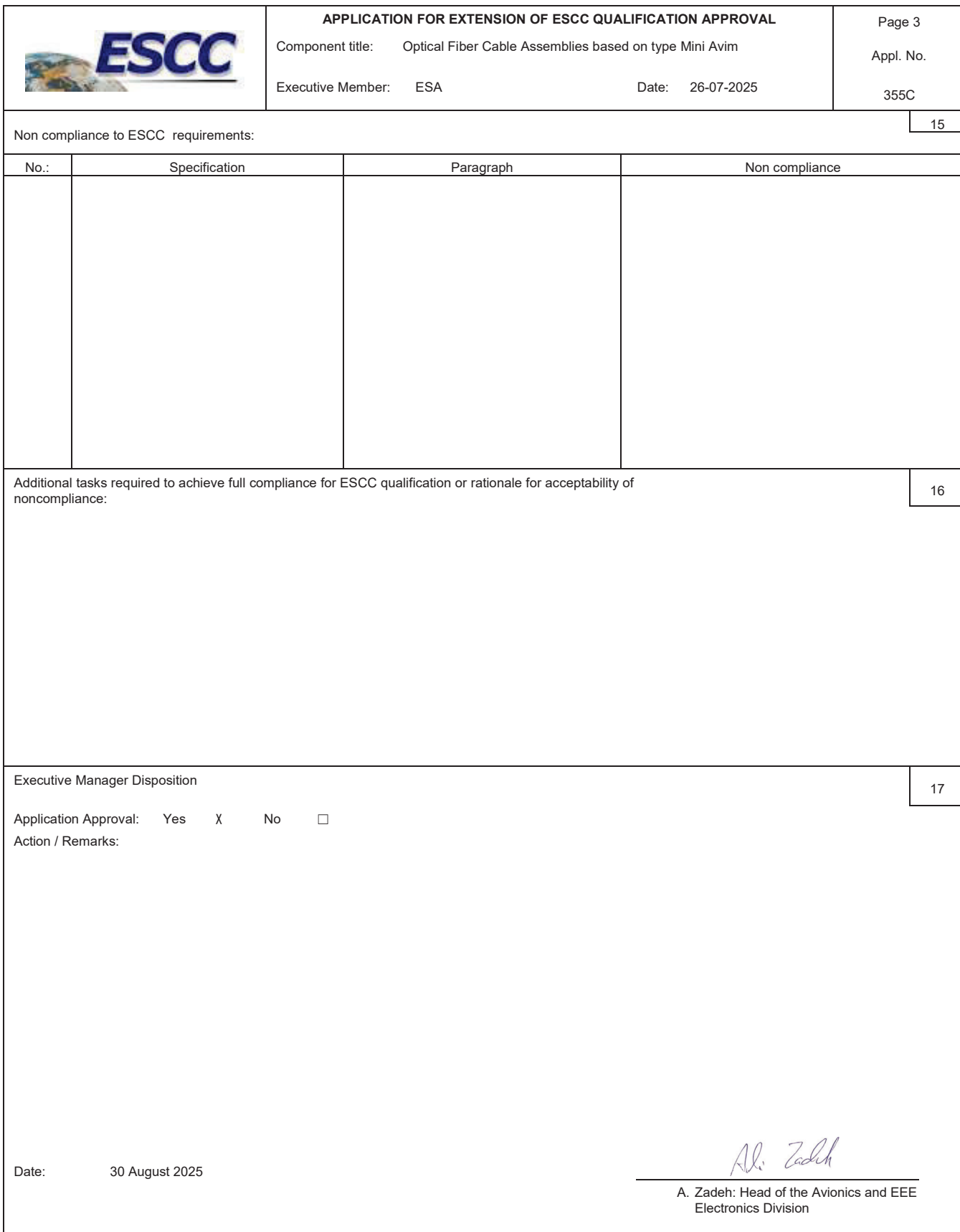
		APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL			Page 1	
		Component Title: Optical Fiber Cable Assemblies based on type Mini Avim			Appl. No.	
		Executive Member: ESA			Date: 27.06.2025	
					355C	
Components (including series and families) submitted for Extension of Qualification Approval: 1						
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR	
3420/001	01	Patchcord Mini AVIM on fiber PM15-U25D-10.5/125/245	5222622	342001 01-01P-M8P-M8P-6000		
3420/001	02	Mating Adapter Mini AVIM™	5222623	342000102		
Component Manufacturer Diamond SA		Location of Manufacturing Plant(s) Via dei Patrizi 5 CH-6616 Losone		Date of original qualification approval: Date: 30/10/2018 Certificate Ref No. 355		
ESCC Specifications used for Maintenance of qualification testing: Generic: 3420 Issue: 2 Detail(s): 3420/001 Issue 5 :		Deviations to LVT testing and Detail Specification used: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (supply details in Box 15) Deviation from current Specifications: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (Supply details)		Qualification Extension Report reference and date: STS0333 Laboratory, Report 3918, Report 3918a 27.06.2025		
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		
PID changes since start of qualification None <input type="checkbox"/> Minor* <input checked="" type="checkbox"/> Major* <input type="checkbox"/>		Current PID Verified by: ESA Name of Excutive Representative Ref No: PID_3420001 Issue: 03 Date: 16/06/2025 Rev Date:				
*Provide details in box: 4.1 DMI ring P/N 4.4 New flange for high power (variant 07) 5.1.1 QCC control (pos. 40) 5.1.2 QCC control (pos. 40) 5.1.3 QCC control (pos. 20) 5.1.4 Process for Pst Mating adapter 5.2.1 High power screening 5.2.2 Thermal cycle PSt 6 chart F4 updated 6 quantity of components 6 High power and high temperature qualification						
Current Manufacturing facilities surveyed by: ESA on 29/08/2024 (Name of Executive Representative)						
Satisfactory: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explain						
Report Reference: ESA-TECOES-RP-2024-002724						

	APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL Component title: Optical Fiber Cable Assemblies based on type Mini Avim Executive Member: ESA Date:27.06.2025	Page 2 Appl. No. 355C
Failure Analysis, DPA, NCCS available: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		12
Ref. No's and purposes:		13
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 <u>ESA</u> as the responsible Executive Member for ESCC qualification status to be extended to the component(s) listed herein.		
Date:	<div>Denis Lacombe</div> <div>Digitally signed by Denis Lacombe Date: 2025.08.04 16:10:07 +02'00'</div> <div>(Signature of the Executive Coordinator)</div>	
Continuation of Boxes above:		14



**APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL**

Component Title: Optical Fiber Cable Assemblies based on type Mini Avim

Executive Member: ESA

Date:

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Appl. No.

355B

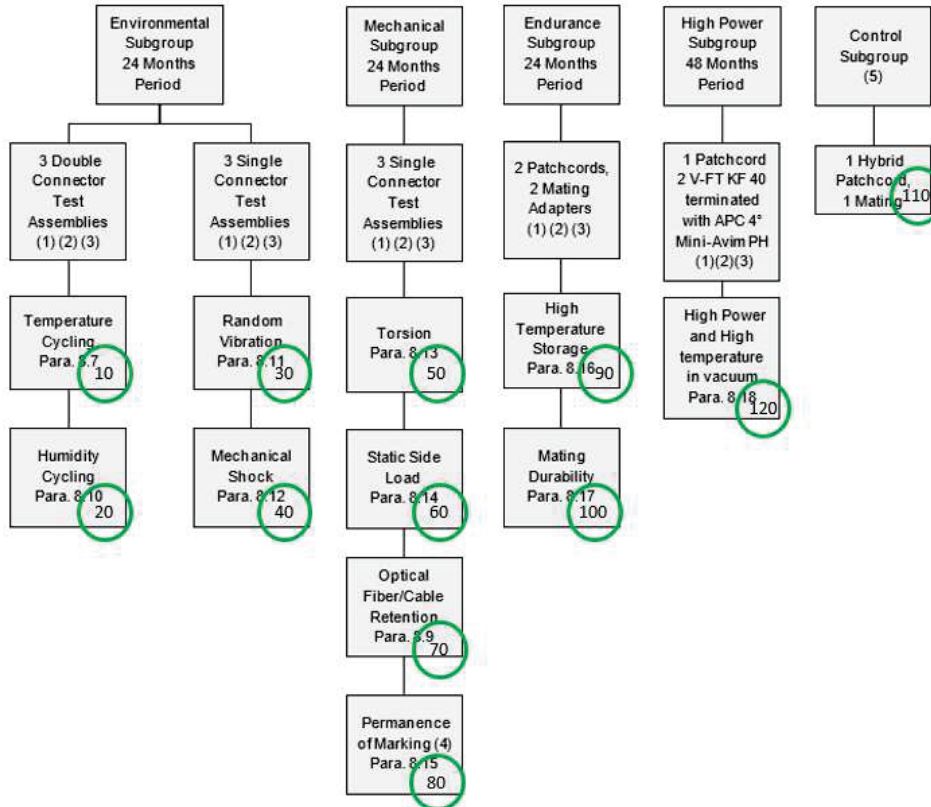
ANNEX 1: LIST OF TESTS DONE TO SUPPORT EXTENSION OF QUALIFICATION

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Tests conducted in compliance with:

ESCC 3420 generic specification issue 2; Chart F4 and ESCC Detail 3420/001 issue 5.

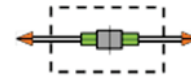
Tests vehicle identification/description:

**Quantity of component for Qualification - Length of fiber****SCTA**

Single connector test assembly

2 HP

1 MA

**DCTA**

Double connector test assembly

2 HP

1 P

2 MA



Subgroup	Hybrid Patchcord	Patchcord	Mating adapter	Hybrid Patchrd VF
Environmental	12	3	9	
Mechanical	6		3	
Endurance		2	2	
Control	1		1	
High power		1	2	2

Detail Specification reference:

Chart F4							
Chart F4	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejec ts	Comments if not performed. Comments on Rejection
Environmental Subgroup 24 Month Period	Temperature Cycling	<input checked="" type="checkbox"/>	IEC 61300-2-22	27.06.2025	15	0	
	Humidity Cycling	<input checked="" type="checkbox"/>	IEC 61300-2-46	27.06.2025	15	0	
	Random Vibration	<input checked="" type="checkbox"/>	IEC 60068-2-64	27.06.2025	9	0	
	Mechanical Shock	<input checked="" type="checkbox"/>	IEC 60068-2-27	27.06.2025	9	0	
Mechanical Subgroup 24 Months Period	Torsion	<input checked="" type="checkbox"/>	IEC 61300-2-5	27.06.2025	9	0	
	Static Slide Load	<input checked="" type="checkbox"/>	IEC 61300-2-42	27.06.2025	9	0	
	Optical Fibre/Cable Retention	<input checked="" type="checkbox"/>	IEC 61300-2-4	27.06.2025	9	0	
	Permanence of Marking	<input checked="" type="checkbox"/>	ESCC Basic Specification No. 24800	27.06.2025	2	0	
Endurance Subgroup 24 Months Period	High Temperature Storage	<input checked="" type="checkbox"/>	IEC 61300-2-18	27.06.2025	4	0	
	Mating Durability	<input checked="" type="checkbox"/>	IEC 61300-2-2	27.06.2025	4	0	
Additional Tests		<input type="checkbox"/>					
		<input type="checkbox"/>					
		<input type="checkbox"/>					

