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MEMO

Date	5/01/2011	Ref	TEC-QT/2010/129/CV
From	Carole Villette	Visa	
To	All ESA PA Managers	Copy	TEC-Q, TEC-QT, TEC-QTE, TEC-QQ, TEC-QR, TEC-QE, TEC-MT, RES- HTR, RES-HTT, CNES (Th. Battault)

Subject: Skills training courses for 2011

Courses in compliance with the ECSS standards and ESA STR-258 will be held at ASTA technology, Hytek, IFE, Istituto Italiano della Saldatura (IIS), Institut de Soudure and ZVE-Fraunhofer institute. The dates of these courses are attached and are also available on the following databases:

http://esmat.esa.int/Databases/ESA_Skills_Training_Schools/esa_skills_training_schools.html

<https://escies.org>

under "training courses"

Would you, please, convey this information to your contractors. Further details (course contents, costs, application forms, maps and hotels) can be obtained directly from the ESA skills training school.

A handwritten signature in black ink, appearing to read 'Carole Villette'.

Carole Villette
Materials, Technology Section



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ASTA Technology UK Ltd

2011 COURSE DATES

Eox denotes certification and E9x denotes recertification

HAND SOLDERING & INSPECTION TO ECSS-Q-ST-70-08

Operator Training (E01)	Inspector (E02a)	Inspector Upgrade (E02b)
	Recertification (E91)	

10 - 14 January	10 - 14 January	12 - 14 January	10 - 11 January
11 - 15 April	11 - 15 April	13 - 15 April	11 - 12 April
26 - 30 September	26 - 30 September	28 - 30 September	28 - 29 September

REPAIR AND MODIFICATION OF PCB'S TO ECSS-Q-ST-70-28

Operator Training (E04)	Recertification (E94)
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14 - 18 March	16 - 17 March
31 October – 4 November	02 - 03 November

RF CABLE ASSEMBLY TO ECSS-Q-ST-70-18

Operator Training (E03)	Recertification (E93)
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7 - 9 March	7 March
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CRIMPING TO ECSS-Q-ST-70-26 (AND WIRE WRAPPING TO ECSS-Q-ST-70-30 when required) (E06)

Operator Training (E06, E06+)	Recertification (E96, E96+)
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31 Jan - 02 Feb (E06), 31 Jan - 03 Feb (E06+)	01 February (E96), 01 - 02 February (E96+)
04 - 06 April (E06), 04 - 07 April (E06+)	05 April (E96), 05 - 06 April (E96+)
14 - 16 Nov (E06), 14 - 17 Nov (E06+)	15 November (E96), 15 - 16 November (E96+)

SURFACE MOUNTING TECHNOLOGY ASSEMBLY ECSS-Q-ST-70-38

Operator Training (E05)	(E05+ for non 70-08 holders)	Recertification (E95)
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11 - 14 January	(E05+: 10 - 14 January)	11 - 12 January
10 - 13 May	(E05+: 09 - 13 May)	10 - 11 May
04 - 07 October	(E05+: 03 - 07 October)	04 - 05 October
08 - 11 November	(E05+: 07 - 11 November)	08 - 09 November

MULTIPLE RECERTIFICATIONS E91/92/93/94/95/96

E91/92 (70-08)	E95 (70-38)	E93/94(70-18/70-28)	E96 (70-26/70-30/466)
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24 - 25 January	25 - 26 January	26 - 27 January	28 January
07 - 08 February	08 - 09 February	09 - 10 February	11 February
16 - 17 May	17 - 18 May	18 - 19 May	20 May
17 - 18 October	18 - 19 October	19 - 20 October	21 October

INSTRUCTOR CAT 1 TO ESA STR-258

Training (E00)	Recertification (E90)
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16 - 26 May	10 - 14 October
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Hytek
2011 COURSE DATES

HAND SOLDERING TO ECSS-Q-70-08

Operator Training (Cat. 3)

21 - 25 March
10 - 14 October

Recertification

17 - 18 March
6 - 7 October

INSPECTION OF SOLDER JOINTS TO ECSS-Q-70-08

Inspector Training (Cat. 2)

27 - 29 April
25 - 27 October

Recertification

15 - 16 March
4 - 5 October

SURFACE MOUNTING TECHNOLOGY ASSEMBLY TO ESA PSS-01-738/ECSS-Q-70-38

Operator Training (Cat. 3)

14 - 17 June
8 - 11 November

Recertification

9 - 10 June
3 - 4 November

REPAIR AND MODIFICATION OF PCB's TO ECSS-Q-70-28

Operator Training (Cat. 3)

27 June - 1 July
12 - 16 December

Recertification

21 - 22 June
8 - 9 December

CRIMPING TO ECSS-Q-70-26

Operator Training (Cat. 3)

7 - 8 June
1 - 2 November

Recertification

6 June
31 October



IFE - Institut für Elektronik
2011 COURSE DATES

HAND SOLDERING TO ECSS-Q-ST-70-08

Operator Training		Recertification		Inspection	
From	To	From	To	From	To
Mo 24.01.11	Fr 28.01.11	Mo 24.01.11	We 26.01.11	We 26.01.11	Fr 28.01.11
Mo 21.02.11	Fr 25.02.11	Mo 21.02.11	We 23.02.11	We 23.02.11	Fr 25.02.11
Mo 04.04.11	Fr 08.04.11	Mo 04.04.11	We 06.04.11	We 06.04.11	Fr 08.04.11
Mo 06.06.11	Fr 10.06.11	Mo 06.06.11	We 08.06.11	We 08.06.11	Fr 10.06.11
Mo 05.09.11	Fr 09.09.11	Mo 05.09.11	We 07.09.11	We 07.09.11	Fr 09.09.11
Mo 07.11.11	Fr 11.11.11	Mo 07.11.11	We 09.11.11	We 09.11.11	Fr 11.11.11
Mo 28.11.11	Fr 02.12.11	Mo 28.11.11	We 30.11.11	We 30.11.11	Fr 02.12.11

HAND SOLDERING To ECSS-Q-ST-70-08/738, INSPECTION and CRIMPING 70-26

Only

Recertification

Mo 11.04.11	Fr 15.04.11
Tu 04.10.11	Fr 07.10.11

REPAIR AND MODIFICATION OF PCB'S TO ECSS-Q-ST-70-28

Operator Training		Recertification	
From	To	From	To
Mo 16.05.11	Fr 20.05.11	Mo 16.05.11	We 18.05.11
Mo 05.12.11	Fr 09.12.11	Mo 05.12.11	We 07.12.11

SMT ASSEMBLY TO ECSS-Q-ST-70-38

Operator Training		Recertification		Inspection	
From	To	From	To	From	To
Mo 31.01.11	Fr 04.02.11	Mo 31.01.11	We 02.02.11	We 02.02.11	Fr 04.02.11
Mo 07.03.11	Fr 11.03.11	Mo 07.03.11	We 09.03.11	We 09.03.11	Fr 11.03.11
Mo 27.06.11	Fr 01.07.11	Mo 27.06.11	We 29.06.11	We 29.06.11	Fr 01.07.11
Mo 21.11.11	Fr 25.11.11	Mo 21.11.11	We 23.11.11	We 23.11.11	Fr 25.11.11

CRIMPING AND WIRE WRAPPING TO ECSS-Q-ST-70-26 & 70-30

Operator Training		Recertification	
From	To	From	To
We 02.03.11	Fr 04.03.11	We 02.03.11	We 02.03.11
We 11.05.11	Fr 13.05.11	We 11.05.11	We 11.05.11
Mo 30.05.11	We 01.06.11	Mo 30.05.11	Mo 30.05.11
We 16.11.11	Fr 18.11.11	We 16.11.11	We 16.11.11

ASSEMBLY AND MOUNTING OF RF COAXIAL-CABLES TO ECSS-Q-ST-70-18

Operator Training		Recertification	
From	To	From	To
Mo 12.09.11	We 14.09.11	Mo 12.09.11	Mo 12.09.11



FIBER OPTIC TERMINATIONS TRAINING TO ECSS-Q-TM-70-51

Operator Training		Recertification	
From	To	From	To
We 06.07.11	Fr 08.07.11	We 06.07.11	We 06.07.11
We 14.12.11	Fr 16.12.11	We 14.12.11	We 14.12.11

INSTRUCTOR CAT 1 TO ESA STR-258

Training		Recertification	
From	To	From	To
Mo 10.10.11	Fr 21.10.11	Mo 10.10.11	Fr 14.10.11



ISTITUTO ITALIANO DELLA SALDATURA (IIS)
2011 COURSE DATES

INSTRUCTOR / EXAMINER (CAT. 1) CONFORMING TO ESA STR 258
Certification **Recertification**

4-15 July 11-15 July

OPERATORS (CAT. 3) CONFORMING TO ECSS-Q-ST-70-08
Certification **Recertification**

16-20 May 17-18 May
14-18 November 15-17 November

INSPECTORS (CAT. 2) CONFORMING TO ECSS-Q-ST-70-08
Certification **Recertification**

16-20 May 17-18 May
14-18 November 15-17 November

OPERATORS (CAT. 3) CONFORMING TO ECSS-Q-ST-70-38
Certification **Recertification**

23-27 May 26-27 May
21-25 November 24-25 November

INSPECTORS (CAT. 2) CONFORMING TO ECSS-Q-ST-70-38
Certification **Recertification**

23-27 May 26-27 May
21-25 November 24-25 November

REPAIR AND MODIFICATION OPERATORS (CAT. 3) CONFORMING TO ECSS-Q-ST-70-28
Certification **Recertification**

07-10 June 08-09 June
13-16 December 14-15 December

REPAIR AND MODIFICATION INSPECTORS (CAT. 2) CONFORMING TO ECSS-Q-ST-70-28
Certification **Recertification**

07-09 June 08-09 June
13-15 December 14-15 December

CRIMPING CONFORMING TO ECSS-Q-ST-70-26
Certification **Recertification**

05-06 December 06 December

WIRE WRAPPING CONFORMING TO ECSS-Q-ST-70-30
Certification **Recertification**

07 December 07 December

RX CABLES CONFORMING TO ECSS-Q-ST-70-18
Certification **Recertification**

19-20 December 20 December



INSTITUT DE SOUDURE – 93-Villepinte – France .
2011 COURSE DATES

Operator : Hand Soldering to ECSS-Q-ST-70-08

Certification Operator Training (cat.3)

28 February-04 March 2011

12-16 September 2011

Câbleur (Cat.3) Certification ESA - ECSS-ST-Q-70-08 (composants Traversants et Filaires) Brasage au Fer

Recertification

14-15 March 2011

26-27 September 2011

Operator : Hand Soldering SMT to ECSS-Q70-38

Certification Operator Training (cat.3)

08-11 March 2011

20-23 September 2011

Câbleur (Cat.3) Certification ESA - ECSS-ST-Q-70-38 (composants CMS) Brasage au Fer

Recertification

16-17 March 2011

28-29 September 2011

Operator : Crimping to ECSS-Q-ST-70-26

Certification Operator Training (cat.3)

22-23 February 2011

03-04 October 2011

Câbleur (Cat.3, Cat.2) Certification ESA - ECSS-ST-Q-70-26 (Sertissage)

Recertification

24 February 2011

05 October 2011

Inspector: Hand Soldering to ECSS-Q-ST-70-08 + to ECSS-Q70-38

Certification Inspector Training (cat.2)

17-21 October 2011

Contrôleur (Cat.2) : Certification ESA - ECSS-ST-70-08 (Trav+Fil) + ECSS-ST-70-38 (CMS) NOUVEAU

Recertification

24-25 October 2011



ZVE
2011 COURSE DATES

HAND SOLDERING TO ECSS-Q-70-08, Course HL 3

OPERATOR TRAINING

10 - 14 January
09 - 13 May
28 November – 02 December

RECERTIFICATION

31 January – 02 February
17 – 19 October

INSPECTION OF SOLDER JOINTS, Course HL 4

INSPECTOR TRAINING

21 - 25 February
10 – 14 October

RECERTIFICATION

02 – 04 February
19 – 21 October

REPAIR AND MODIFICATION OF PCB's ECSS-Q-70-28, Course HL 5

OPERATOR TRAINING

11 – 15 April

RECERTIFICATION

23 – 25 May

RF CABLE ASSEMBLY TO ESA PSS-01-718, Course HL 6

OPERATOR TRAINING

18 - 20 July

RECERTIFICATION

CRIMPING AND WIRE WRAPPING TO ECSS-Q-70-26/30, Course LFV

OPERATOR TRAINING

21 - 23 March
07 – 09 November

RECERTIFICATION

24 March
10 November

SURFACE MOUNTING TECHNOLOGY ASSEMBLY ECSS-Q-70-38, Course SMT 4

OPERATOR TRAINING

28 March – 01 April
12 - 16 September

RECERTIFICATION

26 - 28 January
04 – 06 October

INSTRUCTOR CAT 1 TO ESA PSS-01-748, Course IN

TRAINING

On request

RECERTIFICATION

11 - 14 July



INSTITUT DE SOUDURE**Hand Soldering to ECSS-Q-70-08A (Cat 3)****Certification Operator Training Recertification**

01-05 March 2010

13-17 September 2010

15-16 March 2010

27-28 September 2010

Hand Soldering SMT to ECSS-Q70-38 (Cat 3)**Certification Operator Training Recertification**

09-12 March 2010

21-24 September 2010

17-18 March 2010

29-30 September 2010

Crimping to ECSS-Q-70-26 (Cat 3)**Certification Operator Training Recertification**

23-24 February 2010

04-05 October 2010

25 February 2010

06 October 2010

