



# Technical Repercussion Sheet

Sheet 0 - E-Authorization Data

|          |               |                            |
|----------|---------------|----------------------------|
| A350-XWB | <b>L25925</b> | STATUS: OFFICIAL(Full TRS) |
| XW CEF   |               | ISSUE: 3                   |
|          |               | OFFICIAL DATE: 27-Sep-2018 |

|  |                            |
|--|----------------------------|
| <b>TITLE:</b><br>E.a.E. - Cable Loom Install. drawings-Modify harnesses installation for OHSC in Door Zone D3 LH FWD (sol.E) | ATA: 9280                  |
|  | COORDINATOR: AUBAN Olivier |
| <b>REASON:</b> Request for Product Customization - Customization Administrative Issue - SY-Other Systematic Action ;         |                            |

|      | DESIGN OFFICE<br>(As required) | AIR<br>WORTHINESS<br>(As required) | CM CHECKER<br>(As required)  | HEAD OF ENGINEERING<br>OR REPRESENTATIVE | HEAD OF CONFIGURATION<br>MANAGEMENT OR<br>REPRESENTATIVE |
|------|--------------------------------|------------------------------------|--|--|--|
| NAME |                                |                                    | AZAM SEBASTIEN<br>- TO96923<br>(Approver)<br>QUINQUET<br>BAPTISTE -<br>TO50142<br>(Authorizer) |  |  |
| DATE |                                |                                    | 27-Sep-2018<br>(Approver)<br>27-Sep-2018<br>(Authorizer)                                       |  |  |



# Technical Repercussion Sheet

Sheet 0 - History

|          |               |                             |
|----------|---------------|-----------------------------|
| A350-XWB | <b>L25925</b> | STATUS: OFFICIAL (Full TRS) |
| XW CEF   |               | ISSUE: 3                    |
|          |               | LAST UPDATE: 26-Sep-2018    |

|  |                                   |
|--|-----------------------------------|
| <b>TITLE:</b><br>E.a.E. - Cable Loom Install. drawings-Modify harnesses installation for OHSC in Door Zone D3 LH FWD (sol.E) | ATA: 9280                         |
|  | <b>COORDINATOR:</b> AUBAN Olivier |
| <b>REASON:</b> Request for Product Customization - Customization Administrative Issue - SY-Other Systematic Action ;         |                                   |

| ISSUE | DATED       | AUTHOR            | COMMENT / REASON                   | SIGNATURE LOOP |
|-------|-------------|-------------------|------------------------------------|----------------|
| 3     | 26-Sep-2018 | AUBAN OLIVIER     | Sign loop                          | Simplified     |
| 2     | 14-Feb-2016 | BERTRAND BRIGITTE | signature for full TRS MSN65       | Normal         |
| 1     | 20-Nov-2014 | BERTRAND BRIGITTE | Signature launched for mod opening | Normal         |

# Technical Repercussion Sheet

Sheet 1

|          |               |                             |
|----------|---------------|-----------------------------|
| A350-XWB | <b>L25925</b> | STATUS: OFFICIAL (Full TRS) |
| XW CEF   |               | ISSUE: 3                    |
|          |               | LAST UPDATE: 26-Sep-2018    |

|  |                            |
|--|----------------------------|
| <b>TITLE:</b><br>E.a.E. - Cable Loom Install. drawings-Modify harnesses installation for OHSC in Door Zone D3 LH FWD (sol.E) | ATA: 9280                  |
|  | COORDINATOR: AUBAN Olivier |

**REASON:** Request for Product Customization - Customization Administrative Issue - SY-Other Systematic Action ;

**ORIGIN DOCUMENTS:** RFC-AIB25V002BF-Door zones layout definition

**EXPECTED APPLICABILITY:**

Customer Version

**NECESSARY TO OBTAIN/MAINTAIN TYPE CERTIFICATE:** No

**CLASSIFICATION:** X - MINOR

**A/C CATEGORY:** CIVIL

**MODEL(S):** 350-1041 ;

**IMPLEMENTATION CONDITION:** SERIE SOLUTION ONLY

**SB PROPOSED BY ENGINEERING:** No

**INTERCHANGEABILITY AFFECTED:** No

**ENGINEERING DEADLINE:** POWER ON

**TO BE EMBODIED BEFORE:** None

**RESTRICTIONS CANCELLED BY THIS MODIFICATION:** None

**GENERAL DESCRIPTION:**

The modification consists in modifying harnesses installation for OHSC in Door Zone D3 LH FWD (solution.E)

**Abbreviations**

OHSC : overhead stowage compartment

D3 LH : door 3 left hand

**LINKED MODIFICATIONS:**

**COMMENT:** 101202/L25143



# Technical Repercussion Sheet

Sheet 2

|          |        |                             |
|----------|--------|-----------------------------|
| A350-XWB | L25925 | STATUS: OFFICIAL (Full TRS) |
| XW CEF   |        | ISSUE: 3                    |
|          |        | LAST UPDATE: 26-Sep-2018    |

## REGULATIONS INVOLVED AND JUSTIFICATION:

### Certification Basis :

TCDS EASA.A.151 / TCDS FAA T000631B

| Certif.Basis | FIC    | ATA  | A/W & Environmental Requirement | MoC |
|--------------|--------|------|---------------------------------|-----|
| All          | XW CEF | C207 | 25.1529                         | 0   |

### Compliance statement :

For development flight test aircraft. Not subject to certification.

The modification has been reviewed for impact on other ICA (i.e. ICA other than ALS or MRBR). When it has been determined that the modification impacts the other ICA (i.e. ICA other than ALS or MRBR), the impacted ICA have been identified and will be made available in accordance with the process as declared in the Design Organization Manual as part of the compliance with ICA requirements in part 21.

### Comment :

For development flight test aircraft. Not subject to certification.

## IMPACTS ON EQUIPMENT

Equipment sorted by: Family

## IMPACTS ON APPROVED DOCUMENTATION AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (ICA):

| DOCUMENT TYPE                  | STATEMENT | DESCRIPTION |
|--------------------------------|-----------|-------------|
| SRM ADL/REPAIR                 | NO        |             |
| WBM Chapter 1.10 limitations   | NO        |             |
| MMEL                           | NO        |             |
| FM - Flight Manual             | NO        |             |
| MRB - Maintenance Review Board | NO        |             |
| ALS Part 1                     | NO        |             |
| ALS Part 2                     | NO        |             |
| ALS Part 3                     | NO        |             |
| ALS Part 4                     | NO        |             |
| ALS Part 5                     | NO        |             |
| ALS Part 6                     | NO        |             |
| Security HandBook              | NO        |             |
| EWIS ICA                       | NO        |             |
| Other ICA                      | NO        |             |
| Flight Crew Data               |           |             |
| Cabin Crew Data                |           |             |

|          |               |                             |
|----------|---------------|-----------------------------|
| A350-XWB | <b>L25925</b> | STATUS: OFFICIAL (Full TRS) |
| XW CEF   |               | ISSUE: 3                    |
|          |               | LAST UPDATE: 26-Sep-2018    |

## XW CEF SKETCHES:

### XW CEFESIINS HAR and EQT:

### ATA92-00 Electrical and Electronic Common Installation - General

The modification consists in modifying harnesses installation for OHSC in Door Zone D3 LH FWD (sol.E).

### XW CEFESIINS SYNOPTIC:








#### Pre-MOD sketch:

Description

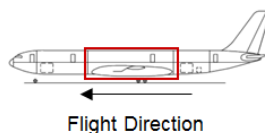
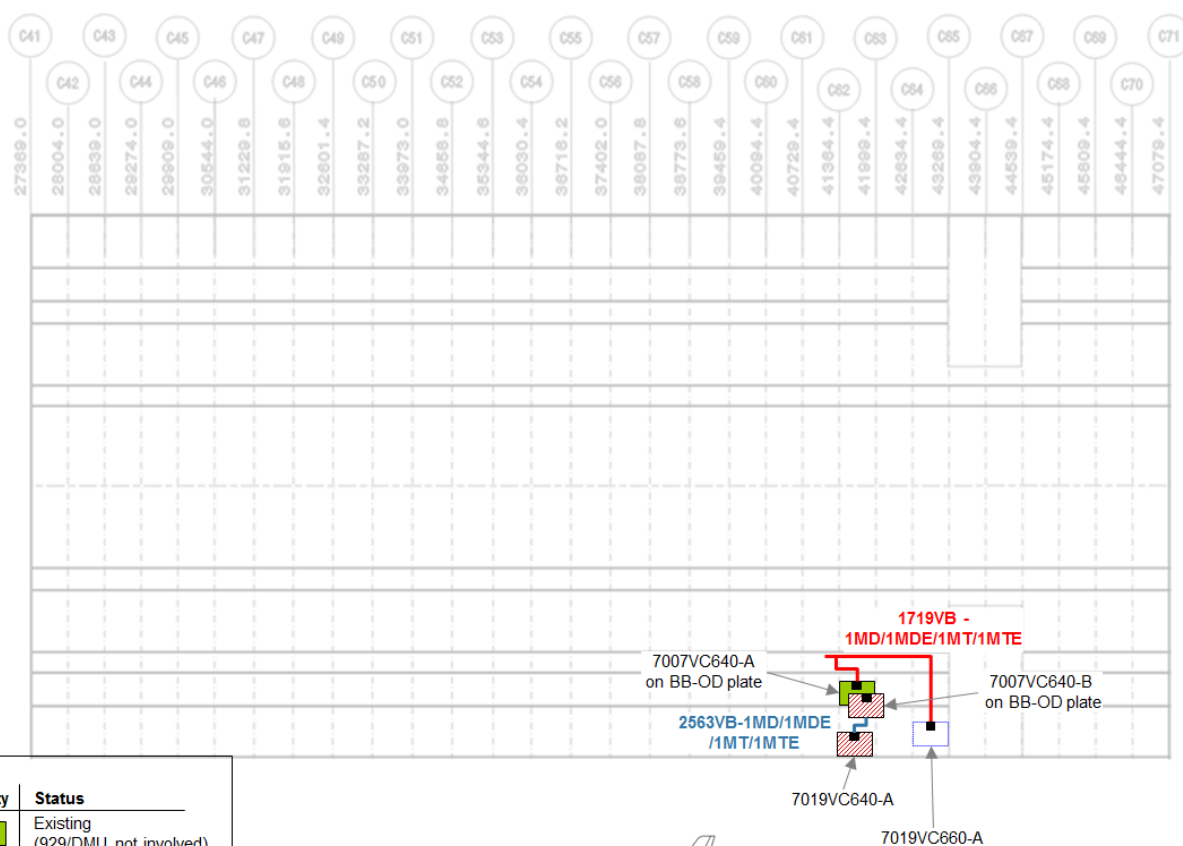
#### Post-MOD sketch:

E.a.E. - Cable Loom  
Install. drawings-  
Modify harnesses  
installation for OHSC  
in Door Zone D3 LH  
FWD (sol.E)

#### Legend

| Extremity position :  | Delta :   | Status                               |
|---|---|--------------------------------------|
|  MOR   |  | Existing<br>(929/DMU not involved)   |
|  F2F   |  | Added/modified<br>(929/DMU involved) |
|  Floor |  | Removed<br>(929/DMU involved)        |
|   |  | CILAT involved                       |

A350 - Harness Pre-Definition



Flight Direction

# Technical Repercussion Sheet

Sheet 3 (Sketches)

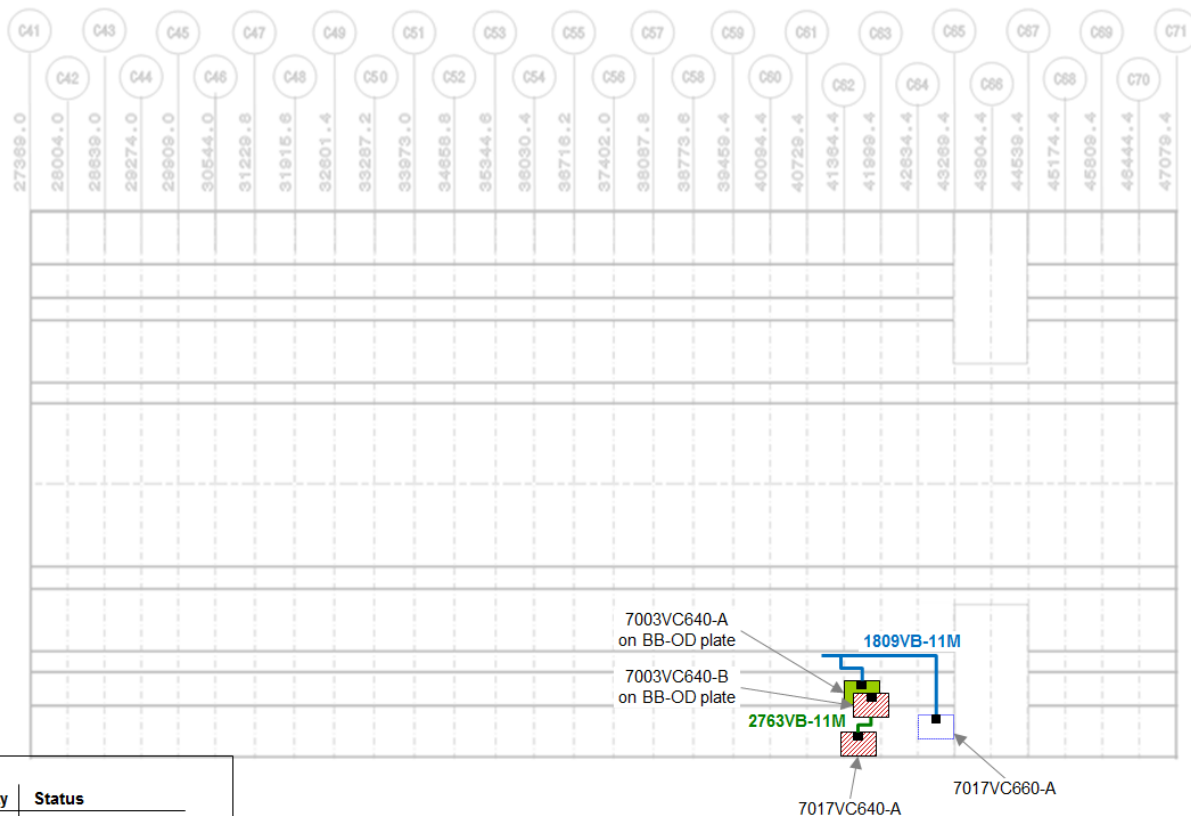
|          |               |                             |
|----------|---------------|-----------------------------|
| A350-XWB | <b>L25925</b> | STATUS: OFFICIAL (Full TRS) |
| XW CEF   |               | ISSUE: 3                    |
|          |               | LAST UPDATE: 26-Sep-2018    |

## Pre-MOD sketch:

Description

## Post-MOD sketch:

E.a.E. - Cable Loom  
Install. drawings-  
Modify harnesses  
installation for OHSC  
in Door Zone D3 LH  
FWD (sol.E)



## Legend

Extremity  
position :

MOR  
F2F  
Floor

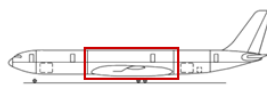
Delta :

Extremity

Status

Existing  
(929/DMU not involved)  
Added/modified  
(929/DMU involved)  
Removed  
(929/DMU involved)  
CILAT involved

A350 - Harness Pre-Definition

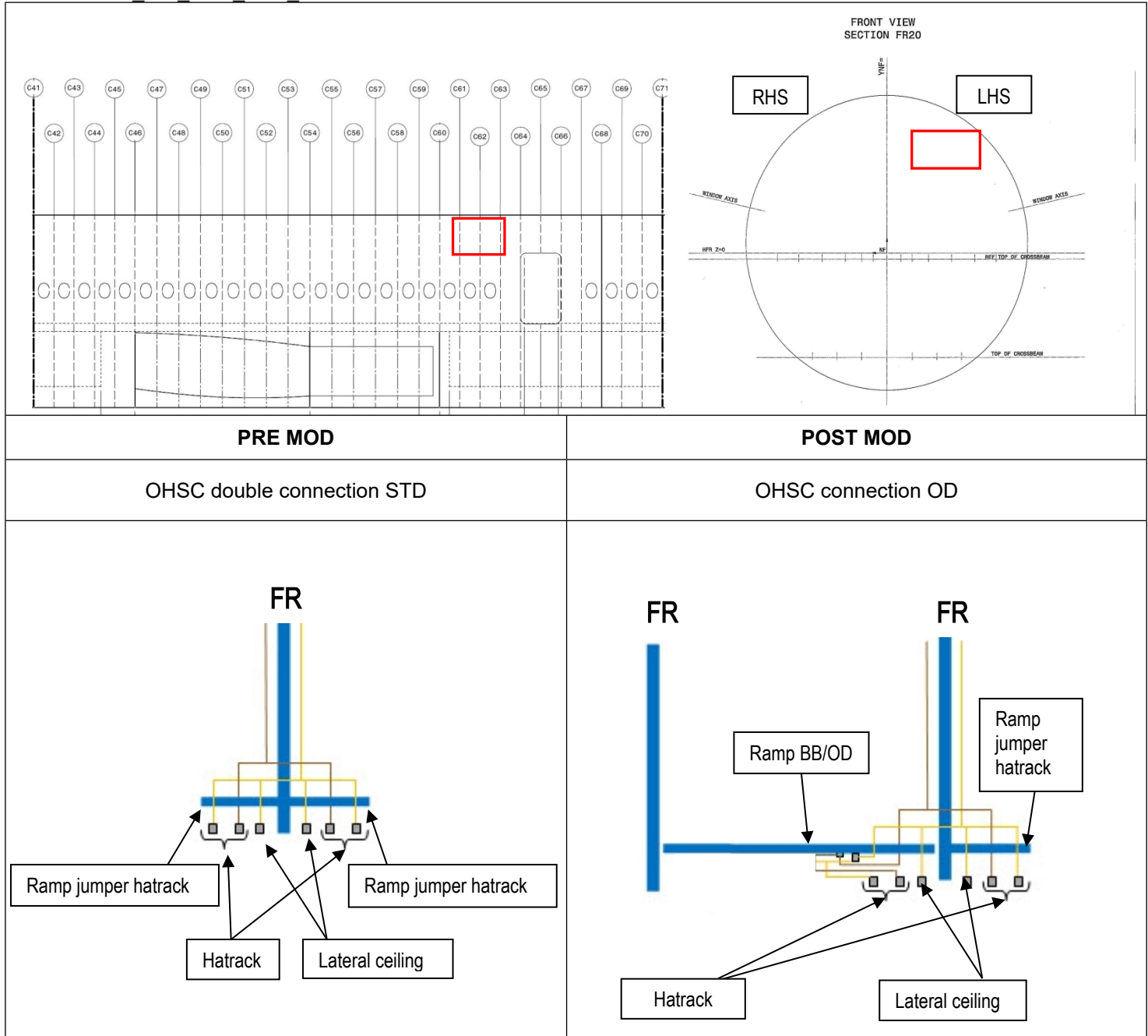


Flight Direction

|          |               |                             |
|----------|---------------|-----------------------------|
| A350-XWB | <b>L25925</b> | STATUS: OFFICIAL (Full TRS) |
| XW CEF   |               | ISSUE: 3                    |
|          |               | LAST UPDATE: 26-Sep-2018    |

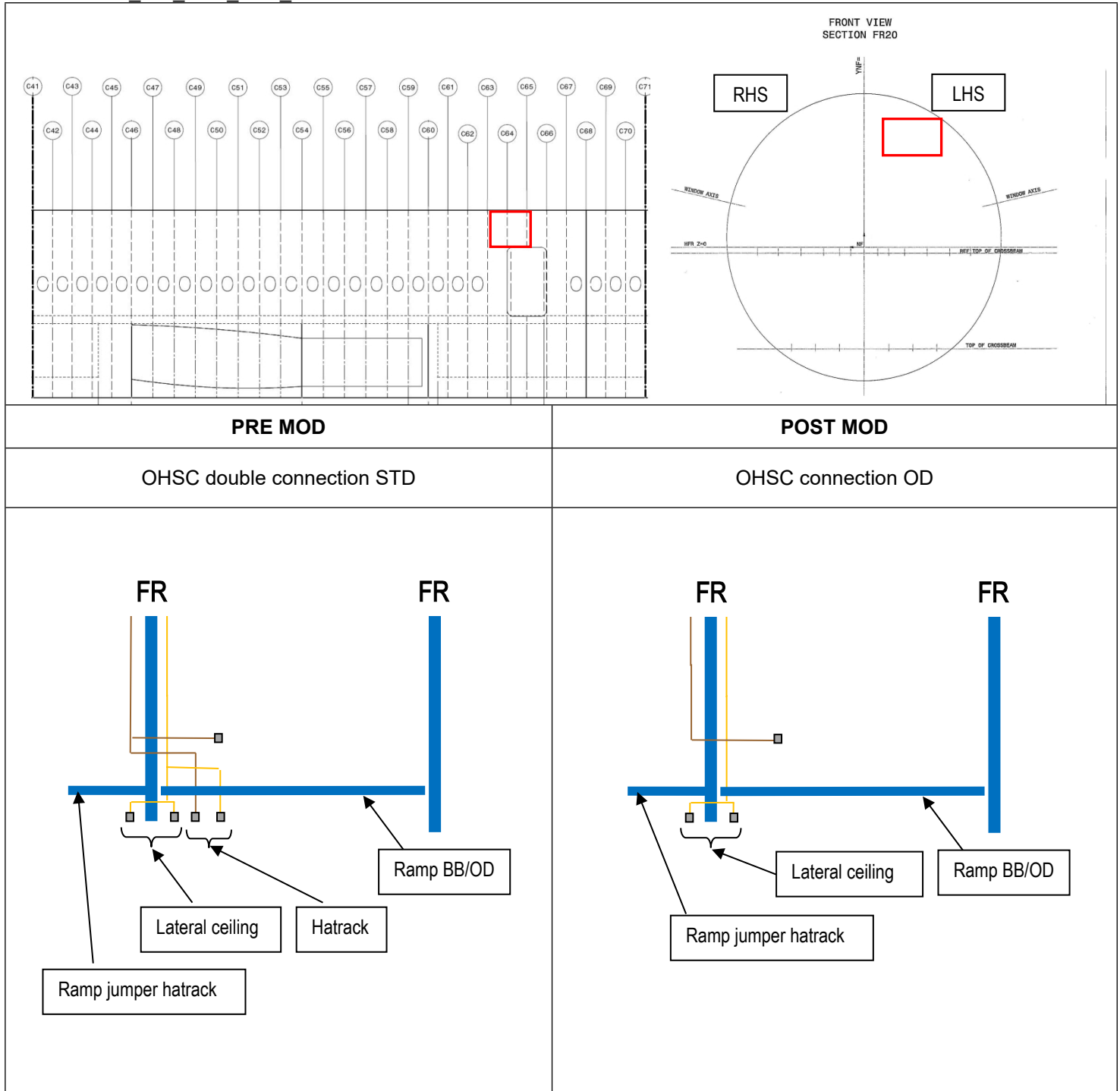
## **XW CEFESI HAR and EQT:**

Sketch CEF ESI HAR EQT 1



|          |               |                             |
|----------|---------------|-----------------------------|
| A350-XWB | <b>L25925</b> | STATUS: OFFICIAL (Full TRS) |
| XW CEF   |               | ISSUE: 3                    |
|          |               | LAST UPDATE: 26-Sep-2018    |

Sketch CEF\_ESI\_HAR\_EQT\_2





# Technical Repercussion Sheet

Sheet 4

|          |               |                             |
|----------|---------------|-----------------------------|
| A350-XWB | <b>L25925</b> | STATUS: OFFICIAL (Full TRS) |
| XW CEF   |               | ISSUE: 3                    |
|          |               | LAST UPDATE: 26-Sep-2018    |

**ADDITIONAL ATA:** 9240 ; 9290 ;

**IMPACT ON VERIFICATION / VALIDATION MEANS:**

| MOCK UP       | FATIGUE TESTS | GROUND TESTS | LABORATORY TESTS |
|---------------|---------------|--------------|------------------|
| NO            | NO            | NO           | NO               |
| PARTIAL BENCH | IRON BIRD     | FLIGHT TESTS |                  |
| NO            | NO            | NO           |                  |

**COMMENT:**
**IMPACTS ON WEIGHT:**

| SERIE         | DELTA ON MWE WEIGHT (kg) | CG OF THE DELTA MWE (m) | ORIGIN SUB-TRS |
|---------------|--------------------------|-------------------------|----------------|
| 350-1000      | 1.618                    | 0.0                     |                |
| <b>TOTAL:</b> |                          |                         |                |
| 350-1000      | 1.618                    | 0.0                     |                |

**COMMENT:**
**ELECTRICAL LOADS IMPACTED:** NO

**COMMENT:**
**IMPACTED DOCUMENTATION:**

Impacted airlines documentations identified by customer service are available in CM reporting
**COMMENT:**
**IMPACTED STANDARD SPECIFICATION**

| REFERENCE | ISSUE | REVISION | TEMP.REVISION | ISSUE DATE |
|-----------|-------|----------|---------------|------------|
|           |       |          |               |            |

**PROPOSED UPDATE:**
**MSCN:NO**
**CLASSIFICATION NEGOTIABLE:NO**
**MSCN JUSTIFICATION:**

|          |               |                             |
|----------|---------------|-----------------------------|
| A350-XWB | <b>L25925</b> | STATUS: OFFICIAL (Full TRS) |
| XW CEF   |               | ISSUE: 3                    |
|          |               | LAST UPDATE: 26-Sep-2018    |

**DETAILED DESCRIPTION:**
**XW CEF REPERCUSSIONS :**
**XW CEF ESI HAR and EQT:**
**ATA92-00 Electrical and Electronic Common Installation - General**

The modification consists in modifying harnesses installation for OHSC in Door Zone D3 LH FWD (sol.E).

**ATA92-40 Electrical and Electronic Common Installation – Installation Drawings of Removable Supports**

Harness 1809VB (11M), 1719VB (1MD):

To remove 2 jumper brackets ramp between FR62 and FR63.

To add 2 ramps OD between FR62 and FR63.

To add 2 IF plates between FR62 and FR63.

**NZ**
**NZ**
**NZ**

**Weight impact ATA92-40: + 1,624 Kg**

**ATA92-80 Electrical and Electronic Common Installation - Cable Loom Installation Drawings**

Harness 1809VB (11M):

To modify 1 derivation by relocating 3 clamps and 3 spacers between FR62 and FR63.  
(see sketch 1)

**NZ**

To remove 1 derivation by removing 2 clamps and 2 spacers between FR64 and FR65.  
(see sketch 2)

**NZ**

Harness 1719VB (1MD):

To modify 1 derivation by relocating 3 clamps and 3 spacers between FR62 and FR63.  
(see sketch 1)

**NZ**

To remove 1 derivation by removing 2 clamps and 2 spacers between FR64 and FR65.  
(see sketch 2)

**NZ**

Harness 2563VB (1MD):

To add 1 derivation by adding 3 clamps and 3 spacers between FR62 and FR63.  
(see sketch 1)

**NZ**

Harness 2763VB (11M):

To add 1 derivation by adding 3 clamps and 3 spacers between FR62 and FR63.  
(see sketch 1)

**NZ**

**Weight impact ATA92-80: - 0,006 Kg**

**ATA92-90 Electrical and Electronic Common Installation - Cable Loom Drawings**

Harness 1809VB (11M):

Repercussions on harness morphology with impact on harness manufacturing. Modify routing.

**PL**

Harness 1719VB (1MD):

|          |               |                             |
|----------|---------------|-----------------------------|
| A350-XWB | <b>L25925</b> | STATUS: OFFICIAL (Full TRS) |
| XW CEF   |               | ISSUE: 3                    |
|          |               | LAST UPDATE: 26-Sep-2018    |

Repercussions on harness morphology with impact on harness manufacturing. Modify routing.

**PL**

Harness 2563VB (1MD):

Repercussions on harness morphology with impact on harness manufacturing. New routing.

**PL**

Harness 2763VB (11M):

Repercussions on harness morphology with impact on harness manufacturing. New routing.

**PL**

**Weight impact ATA92-90: + 0,000 Kg**

|  |                   |
|--|-------------------|
| <b>Total XW CEF ESI HAR and EQT weight impact (924 + 928 + 929):</b> | <b>+ 1,618 Kg</b> |
|--|-------------------|

## Electrical Functional Design Repercussions

Backshell update 7017VC640 A1 change angle 80° to 55 ° (2763VB)

# Technical Repercussion Sheet

Sheet 5

|          |               |                             |
|----------|---------------|-----------------------------|
| A350-XWB | <b>L25925</b> | STATUS: OFFICIAL (Full TRS) |
| XW CEF   |               | ISSUE: 3                    |
|          |               | LAST UPDATE: 26-Sep-2018    |

| IMPACTS ON CIRCUIT - ATA's (Leader impacts; refer to sub-TRS for involved impacts): |      |                |
|---|------|----------------|
| CIRCUIT   | ATA  | BREAKDOWN CODE |
| VB  | 9200 | F              |
| LEAD-TIME (WEEKS):  |      |                |

| IMPACTS ON CASCADE COMPONENTS (Leader impacts; refer to sub-TRS for involved impacts): |      |       |     |                |                   |
|--|------|-------|-----|----------------|-------------------|
| TYPE   | CODE | TITLE | ATA | BREAKDOWN CODE | LEAD-TIME (WEEKS) |
|  |      |       |     |                |                   |

| IMPACTS ON HARNESES AND PANELS (Leader impacts; refer to sub-TRS for involved impacts): |        |                    |                  |
|---|--------|--------------------|------------------|
| TYPE  | CODE   | TITLE              | ASSOCIATED TO CA |
| HARNESS   | 1719VB | HARNESS 1719VB 1MD | WD352            |
| HARNESS   | 2763VB | HARNESS 2763VB     | WD438            |

| IMPACTS ON ADAP-CI / RF's (Leader impacts; refer to sub-TRS for involved impacts): |             |                       |       |                   |
|--|-------------|-----------------------|-------|-------------------|
| ADAP-CI CODE   | LEGACY CODE | TITLE                 | CA    | LEAD-TIME (WEEKS) |
| W92C11719000   | NA          | HARNESS 1719VB 1MD    | WD352 |                   |
| W92C11809000   | NA          | HARNESS 1809VB 11M    | WD354 |                   |
| W92C22563000   | NA          | HARNESS 2563VB        | WD419 |                   |
| W92C22763000   | NA          | HARNESS 2763VB        | WD438 |                   |
| W92C34309000   | NA          | CEF UD ML ASS DMD RTG | WD019 |                   |
| W92C34423000   | NA          | CEF UD MLH MD/M CTAFT | WD019 |                   |
| W92C34433000   | NA          | CEF UD Z5-6 MLH HAT   | WD019 |                   |
| W92C34445000   | NA          | CEF UD IM CTAFT       | WD000 |                   |
| W92C34451000   | NA          | CEF UD MLH MD/M AFT   | WD019 |                   |

| IMPACTS ON ESD-CI's (Leader impacts; refer to sub-TRS for involved impacts): |      |             |                     |
|--|------|-------------|---------------------|
| TYPE   | CODE | DESIGNATION | ASSOCIATED TO CA/CC |
|  |      |             |                     |

| OTHER IMPACTS:    |                    |                |                          |                   |
|-------------------|--------------------|----------------|--------------------------|-------------------|
| PROPULSION SYSTEM | SERIE GTR IMPACTED | SPECIAL SUPPLY | PARTS INTERCHANGEABILITY | RIGGING / TOOLING |
| NO                | NO                 | NO             | NO                       | NO                |
| COMMENT:          |                    |                |                          |                   |



# Technical Repercussion Sheet

Sheet 6

|          |               |                             |
|----------|---------------|-----------------------------|
| A350-XWB | <b>L25925</b> | STATUS: OFFICIAL (Full TRS) |
| XW CEF   |               | ISSUE: 3                    |
|          |               | LAST UPDATE: 26-Sep-2018    |

|   |       |          |
|---|-------|----------|
| <b>TRS COORDINATOR:</b> XW CEF                |       |          |
| <b>DESIGN INVOLVEMENT:</b>                    |       |          |
| NATCO / OBS                                   | NATCO | STANDARD |
| XW CEF  | A-F   |          |
| <b>DESIGN RESPONSIBLE:</b> BOUBEKEUR Jean-luc |       |          |

|                    |               |          |        |
|--------------------|---------------|----------|--------|
| <b>ACTIVITIES:</b> |               |          |        |
| COST CHAPTER       | ACTIVITY TYPE | ACTIVITY | RESP.  |
| 01. Design         |               |          | XW CEF |
| 08. Production     |               |          | XW CEF |
| <b>COMMENT:</b>    |               |          |        |