

# DC-TCF901

## Series C Mark II Control Firewall IOTA

CONTROLLED ENGINEERING COPY

Record every downlink and uplink cable identity before removing DC-TCF901. After seating the CC-PCF901 module, restore the documented FTE topology, verify power and status indications, and test communication to each connected cabinet node.

| INSTALLATION IDENTITY | REQUIRED VALUE                        |
|-----------------------|---------------------------------------|
| Complete model        | DC-TCF901                             |
| Part number           | 51307593-176                          |
| Hardware type         | CF9 Input/Output Termination Assembly |
| System family         | Experion Series C Mark II             |



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DC-TCF901

# 01 PRE-INSTALLATION PLAN

- 1

Verify the complete DC-TCF901 marking and its assigned Experion Series C Mark II position before work.
- 2

Isolate the energy associated with Series C Mark II cabinet backplane before disconnecting DC-TCF901.
- 3

Protect the DC-TCF901 connectors and electronic assembly using approved ESD controls.
- 4

Record the as-found CC-PCF901 Control Firewall module connections and configured assignment before replacement.
- 5

Confirm Eight in-cabinet FTE cables matches the approved installation record for DC-TCF901.

## MATCHED HARDWARE

- Series C Mark II cabinet backplane
- CC-PCF901 Control Firewall module
- Eight in-cabinet FTE cables
- Supervisory FTE uplink cable

## PRE-ENERGIZATION RECORD

| RECORD ITEM    | REQUIRED ENTRY                                                   |
|----------------|------------------------------------------------------------------|
| Cable identity | Each FTE downlink and supervisory uplink tag retained            |
| Module seating | CC-PCF901 connector fully seated on the IOTA                     |
| Power state    | Expected power and status indications after controlled energizat |
| Port state     | Every connected FTE path establishes its documented link         |

02 WIRING & INTERFACE CHECKS

| CHECK ITEM                      | REQUIRED VALUE                        |
|---------------------------------|---------------------------------------|
| Hardware type                   | CF9 Input/Output Termination Assembly |
| Cabinet generation              | Series C Mark II                      |
| Mounting interface              | Series C Mark II backplane            |
| Companion module                | CC-PCF901                             |
| Network technology              | Fault Tolerant Ethernet               |
| FTE downlink ports              | 8                                     |
| FTE supervisory uplink ports    | 1                                     |
| Total FTE ports                 | 9                                     |
| Power distribution              | 24 Vdc to CF9 module                  |
| Printed-wiring-board protection | Coated                                |
| Single-mode fiber option        | CC-FSMX01                             |
| Multi-mode fiber option         | CC-FMMX01                             |

CABLE AND PORT CHECK

| PORT GROUP              | CONNECTION                                    |
|-------------------------|-----------------------------------------------|
| Downlink ports 1-8      | In-cabinet C300 controllers and Series 8 FIMs |
| Uplink port 9           | FTE supervisory network                       |
| Control Firewall module | CC-PCF901 seated on DC-TCF901                 |

FIELD NOTE

Record every downlink and uplink cable identity before removing DC-TCF901. After seating the CC-PCF901 module, restore the documented FTE topology, verify power and status indications, and test communication to each connected cabinet node.

## 03 COMMISSIONING WORKFLOW

1

Confirm DC-TCF901 and part number 51307593-176 against the installed record.

2

Verify the physical connection to Series C Mark II cabinet backplane.

3

Apply the documented technical values for hardware type.

4

Exercise the function: seats the cc-pcf901 control firewall module.

5

Run a controlled test for c300 cabinet fte distribution.

6

Record the final state, diagnostics and operator acceptance before release.

## 04 RETURN-TO-SERVICE RECORD

- ☐ Restore DC-TCF901 under controlled conditions and review its model-specific diagnostics.
- ☐ Complete a documented functional test for c300 cabinet fte distribution before release.
- ☐ Confirm the intended process response before normal operation.

### VERIFICATION RECORD

TECHNICIAN

DATE

CABINET / POSITION

FINAL DIAGNOSTIC STATE

### RELATED PRODUCTS ON APTER POWER

| MODEL     | SYSTEM ROLE                          | APTER POWER PAGE                  |
|-----------|--------------------------------------|-----------------------------------|
| CC-GDIL01 | Series C galvanic digital-input IOTA | <a href="#">Open product page</a> |
| CC-MCAR01 | Experion Series C carrier assembly   | <a href="#">Open product page</a> |
| 8C-TDIL01 | Series 8 digital-input SOE IOTA      | <a href="#">Open product page</a> |
| 8C-TDIL11 | Redundant Series 8 SOE IOTA          | <a href="#">Open product page</a> |

### SOURCE IDENTIFIERS

Honeywell Experion Control Firewall User's Guide  
EPDOC-XX20-en-501B

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