




**神雲科技股份有限公司**

**MiTAC Computing Technology Corporation**

**Document No. : QAD-2-00260**

**Document Name : Rack 檢驗流程 Rack Inspection  
procedure**


**Revision : A**

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**0.版本變更 Revision History**

修訂日期 Rev. Date	版本 Revision	修訂說明 Change Description	修訂者 Originator
2025.09.08	A	First Released	劉怡伶 Yilin

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## 1 目的 Purpose

此檢驗的目的是為了驗證所製造的產品，確保組裝後的產品通過測試，確保產品以完美的品質呈現給客戶。

The purpose of this inspection is to verify the built products, ensure that the assembled products pass testing, and ensure that the products are presented to customers with perfect quality.


## 2 範圍 Scope

此 PPA 流程說明適用於所有 MiTAC Rack 產品，但不限於 Oracle 機架。

This PPA Process instruction applies to all MiTAC Rack products but not limited Oracle rack.

## 3 定義 Definition

- 3.1 AK Accessory Kit
- 3.2 EF Elevation File
- 3.3 FAI First Article Inspection Instruction
- 3.4 MPI Manufacturing Processing Instruction
- 3.5 IE Industrial Engineering
- 3.6 PID Process Induced Defects
- 3.7 PPA Post Pack Audit
- 3.8 QE Quality Engineer
- 3.9 RC Run Card
- 3.10 RCCA Root Cause Corrective Action
- 3.11 RU Rack Unit
- 3.12 SFCS Shop Floor Control System
- 3.13 VID Vendor Induced Defect

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#### 4 權責 Responsibility & Authority

- 4.1 生產部門負責生產貨架產品。如發現任何問題，例如貨架框架損壞、零件編號錯誤或尺寸編號錯誤，請立即回報 IE/QE。

Production is responsible for building rack products. If any issues like rack's frame damage, component part number incorrect, or size number incorrect are found, report to PE/QE immediately.


- 4.2 PPA 負責根據 Run Card checklist/ Elevation File 檢查每個機架的整合情況，並參考 MPI 或 FAI 的詳細說明。如發現任何品質問題，請及時通知生產部門現場修復，並在必要時報告給 QE 進行 RCCA。

PPA is responsible for checking each rack integration based on Run Card checklist/ Elevation File and referencing MPI or FAI for detail instructions. If any quality issue is found, inform production to fix it on site in a timely manner, also report to QE for RCCA if necessary.

- 4.3 QE 負責產品品質控制。對於每個新配置，QE 將準備兩份 FAI 文件（一份用於組裝（PPA1），一份用於包裝（PPA2））供客戶審核和批准。培訓 PPA 檢驗員進行產品檢驗。如果 QE 收到 產線 /PPA 的品質問題報告，QE 應解決此品質問題並指導 PPA 重新檢驗。

QE is responsible for product quality control. For each new config, QE will prepare two FAI documents (one for assembly (PPA1) and one for Pack Out (PPA2)) for customer review and approval. Train the PPA inspectors to perform product inspection. If QE receives a quality issue report from Production /PPA, QE should resolve that quality issue and guide PPA to re-inspect.

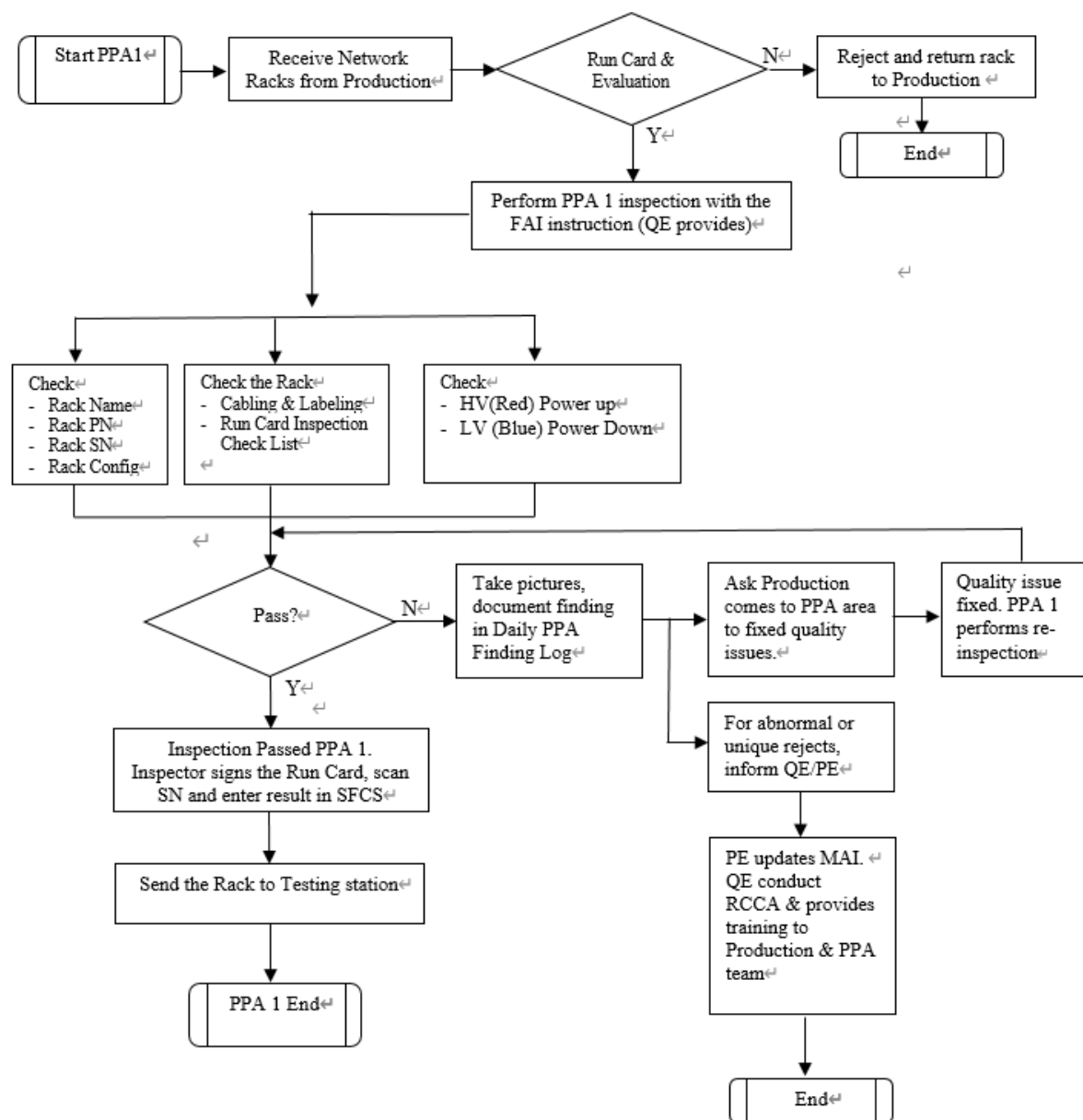
- 4.4 IE 負責將 FAI 指令納入產品製造的 MPI 中，並提供 Run Card、Elevation File 和包裝配件清單等文件。


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IE is responsible for incorporate FAI instruction in the MPI for the entire process of product build and provides instructions like a Run Card, Elevation File, and Packing's Accessories list, etc.

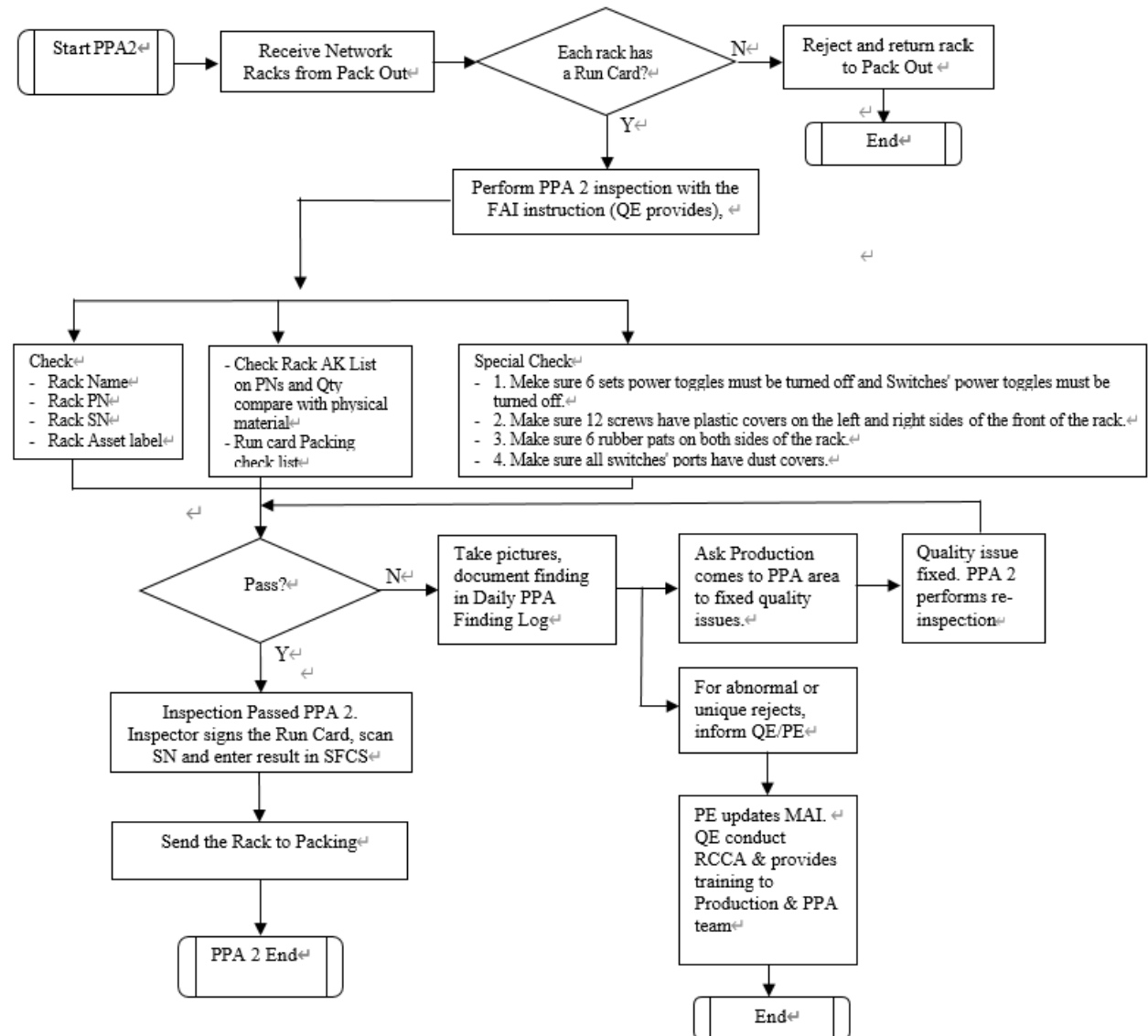
## 5 作業流程 Operation Flow


### 5.1 PPA1, Inspection After Assembly (Production) Done, and Before Testing Flow Chart



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## 5.2 PPA2, Inspection After Testing and Pack Out, and Before Packing Flow Chart



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## 6 作業程序 Procedure

### 6.1 一般規定 General

6.1.1 包裝後審核 (PPA) 分為三個階段：組裝前 PPA、PPA1 和 PPA2。

There are three stages of Post Pack Audit (PPA), Pre-Assembly PPA, PPA1 and PPA2.

6.1.2 組裝前 PPA 在組裝前先對機架機櫃及其關鍵零件進行檢查。

Pre-assembly PPA inspects Network Rack cabinet and some critical components before Assembly.

6.1.3 PPA 檢驗員應至 PLM 下載並填寫檢驗紀錄《QAD-013A 機櫃材料檢驗缺失紀錄表》

PPA inspector will perform cosmetic inspection based on “QAD-013A Cabinet Material Inspection Guidance.”

6.1.4 PPA1 檢驗在產品組裝後、測試前進行。PPA1 流程圖請參考 5.1。

PPA1 inspection is performed on product after Assembly and before Testing. Refer to 5.1 for PPA1 process flow chart.

6.1.5 PPA 2 檢驗在測試和包裝後、包裝前進行。PPA2 流程圖請參考 5.2。


PPA 2 inspection is performed after Testing and Pack Out, and before Packing. Refer to 5.2 for PPA2 process flow chart.

6.1.6 為進行 PPA 檢驗，QE 應準備組裝前 PPA、PPA1 和 PPA2 的最終驗收 (FAI)。IE 應使用 FAI 準備 MPI 和 Run Card Checklist。

To perform PPA inspection, QE is to prepare Pre-Assembly PPA, PPA1 and PPA2 FAI. IE shall use the FAI to prepare the MPI and Run Card Checklist.

6.1.7 PPA 檢查員應：PPA inspectors shall：

6.1.7.1 使用 Run Card checklist 檢查產品。如有疑問，請諮詢 MPI 或 FAI 以獲得指導。

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Use Run Card checklist to inspect the product. Refer to MPI or FAI for instructions when questions arise.

6.1.7.2 確保每個 Rack 都配有 Run Card。Run Card 完成上一個任務並正確填寫內容。

Making sure Run Card is present with each rack. Run Card are properly filled by previous task.

6.1.7.3 使用 Run Card 和 Elevation file 清單，檢查項目以確保正確執行。

Using Run Card and Elevation file check list to ensure checking items are performed correctly.

6.1.7.4 如果發現任何不符合要求且需要 QE 注意，則將暫停生產。

Put rack On-Hold if there is any non-conformance found needing QE attention.

## 6.2 PPA FAI 說明 PPA FAI Instruction

6.2.1 對於每個需要 PPA 檢驗的產品，QE 都需要提供一份 FAI 報告供客戶審核和批准。FAI 資訊包括：

For each product that requires PPA inspection, QE will need to perform a FAI report for customers to review and approve. FAI information includes :

6.2.1.1 FAI 產品訊息 FAI product information

6.2.1.2 FAI 分類 FAI classification

6.2.1.3 FAI 版本表 FAI Revision table


6.2.1.4 機架檢驗清單 Rack Inspection Checklist

6.2.1.5 機架立面圖配置表 Rack Elevation configuration table

6.2.1.6 照片要求與視圖圖例表 Photo Requirement and View Legend table

6.2.1.7 機架、插槽、設備、電纜、佈線連接、標籤等不同角度的圖片。

Pictures in various angles on the rack, slots, devices, cables, cabling connections, labels, etc.

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6.2.2 QE 將使用 FAI 訓練 PPA 檢驗員。QE will use FAI to train PPA inspectors.

6.2.3 IE 將使用 FAI 資訊準備產品 MPI、Run Card 和 Elevation File。

IE will use FAI information to prepare product MPI, Run Card and Elevation File.

6.2.4 有關 FAI 範例，請參閱附錄 F。Refer to Appendix F for an FAI example.

### 6.3 PPA1：組裝後（Production）檢查

PPA1：After Assembly (Production) Inspection

6.3.1 PPA1 從 Production 生產收到網路機架單元 (RU) 後

PPA1 after receiving Network Racks Unit (RU) from RIC production,

6.3.1.1 檢查每個 RU 是否已備有 Run Card 和 Elevation File。

Checks each RU has a Run Card and Elevation File.

6.3.1.2 檢查每個 Rack 的 Run Card 和 Elevation File：（附錄 C，圖 1 和圖 2）

Check each rack per Run card and Elevation file: (Appendix C. Fig 1 and Fig 2)

6.3.1.2.1 在 Run Card 上，檢查所有先前的「任務」框是否已執行（以「P」或首字母縮寫）。


On the Run Card, check all the previous 'Task' boxes have been performed (with 'P' or initial).

6.3.1.2.2 若任何先前的「任務」方塊未勾選/簽字，或標示為「F」（失敗），且未提供任何修復意見，請告知生產主管。

Inform Production supervisor if any previous 'Task' box is not checked/signed off or marked as 'F' (failed) without any comment on fixes.

6.3.1.3 檢查機架標籤上的資訊是否與 Run Card 和 Elevation File 相符：

Check information on the rack label matches the Run Card and Elevation File on:

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6.3.1.3.1 Rack 名稱 Rack's name

6.3.1.3.2 Rack 料號 Rack PN

6.3.1.3.3 Rack 序號 Rack SN

6.3.1.4 如有任何項目不符合 Run Card 的要求，PPA 將拒收，並要求生產部門前往 PPA 區域解決品質問題。

If any items do not meet requirements of the run card, PPA will be rejected and request production come to PPA area to resolve quality issues.

6.3.2 確保所有裝置（收發器、線纜、刀鋒伺服器、伺服器等）均安裝在正確的 RU 位置。

Make sure all the devices (transceivers, cables, blades, servers, etc.) are installed in the correct RU position.

6.3.3 檢查所有交換器的品牌和型號。

Check all the Switch brands and models.

6.3.3.1 如有任何項目不符合 Elevation 文件的要求，PPA 將拒收，並通知生產部門，同時報告給 QE/IE，等待進一步檢查。之後，PPA 必須重新檢查。

If any items do not meet requirements of the Elevation file, PPA will be rejected and inform production and report to QE/PE, awaiting further inspections. Then PPA must be re-checked.


6.3.4 依照 Run card 檢查清單檢查網路機架：（附錄 C，圖 3）

Check Network Racks per Run card Inspection Checklist: (Appendix C. Fig 3)

6.3.4.1 機架外觀檢查。

Rack cosmetic check.

6.3.4.2 所有交換器均安裝在正確的 RU 插槽中。它們已牢固地固定在插槽中。

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All Switches are in correct RU slots. They are mounted flush and secure to the slot.

6.3.4.3 所有螺絲均依要求擰緊。

All screws are tightened as requested.

6.3.4.4 所有線纜均已牢固連接，並與 Run card 匹配。

All cables are securely connected and connected match with Run card.

6.3.4.5 所有標籤均正確，並與 Run card 相符。注意標籤對齊。

All labels are correct, match with Run card. Watch out for proper label alignment.

6.3.4.6 線纜從 RU 出口在同一線路。

Cables are exiting RU on the same line.

6.3.4.7 AOC/Fiber 線距離 connector 3 英寸，網路線跟電線距離 connector 2 英寸。

Cable Labels or Fiber are 3 inches from the boot and 2 inches on copper cables.

6.3.4.8 黃色和黑色電源線連接到對應顏色的 PDU。

Yellow and black Power Cords are going to the corresponding color PDU.

6.3.4.9 所有 Velcro 綁帶必須可從機架內部拆下。


All Velcro tie downs must be removable from the inside of the rack.

6.3.4.10 線纜束線依線纜類型分開。

Cable bundles are separated by cable type.

6.3.4.11 確認左側與右側 PDU 的 ACT6A 電纜已在 PDU 連接埠處斷開，並已整理走線、預留維修用的線圈（service loop），且固定在指定的終端（停放）位置。

Verify both the left and right PDU ACT6A cables are disconnected at

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the PDU ports and dresses with service loop termination position are on.

6.3.4.12 所有 PDU 電源開關均處於開啟狀態。

All power switches of PDU and switches are on.

6.3.4.13 螺絲、鉚釘或卡扣件均無缺失、鬆脫或不平整。

No missing, loose or uneven screws, rivets or snap hardware.

6.3.5 如有任何品質問題，PPA 將拒絕並拍照，並將發現記錄在”QAD-014A NW RACK PPA 發現與缺失報告”中。（附錄 E，圖 1）PPA 將要求生產部門前往 PPA 區域解決品質問題。之後，PPA 必須重新檢查。

If any item is quality issues, PPA will be rejected and take a picture, document the finding in the “QAD-014A NW RACK PPA Findings and Missing report “ (Appendix E. Fig 1) PPA will request production come to PPA area to fix quality issues. Then PPA must be re-checked.

6.3.6 機架檢查通過 PPA1。檢查員在 Run Card 上簽名（或簽上姓名首字母），掃描 SN 並將結果輸入 SFCS。

Rack inspection passed PPA1. Inspector signs (or initials) the Run Card, scan SN and enter results in SFCS.

6.3.6.1 若發現任何未執行或不符合要求的項目，請勿勾選或簽名。通知 PPA 主管或品質工程師解決問題。


Do not check or sign the box if any item is found not performed or under non-conformance. Inform PPA supervisor or QE to resolve the question.

#### 6.4 PPA2：包裝後檢查

PPA2：After Pack Out Inspection

6.4.1 從包裝收到網路機架單元後，進行 PPA2 檢查

PPA2 after receiving Network Racks Unit (RU) from the Pack Out,

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#### 6.4.1.1 依照 Run card 檢查每個 RU：

Check each RU per Run card:

##### 6.4.1.1.1 在 Run Card 上，檢查所有先前的「任務」方塊是否已完成（以「P」或首字母標記）。

On the Run Card, check all the previous 'Task' boxes have been performed (with 'P' or initial).

##### 6.4.1.1.2 如果任何先前的「任務」方塊未勾選/簽字，或標記為「F」（失敗），且未提供任何修復意見，請告知生產主管。

Inform Production supervisor if any previous 'Task' box is not checked/signed off or marked as 'F' (failed) without any comment on fixes.

#### 6.4.1.2 檢查貨架標籤上的資訊是否與運行卡上的下列資訊相符：

Check information on the rack label matches the Run Card on:

##### 6.4.1.2.1 Rack 名稱 Rack's name

##### 6.4.1.2.2 Rack 零件號 Rack PN

##### 6.4.1.2.3 Rack 序號 Rack SN

##### 6.4.1.2.4 機架資產標籤（附錄 D，圖 1）

Rack asset labels (Appendix D. Fig 1)

##### 6.4.1.2.5 如果任何物品不符合 run card 的要求，PPA 將拒收並要求解決問題。


If any items do not meet requirements of the run card, PPA will be rejected and request pack out to resolve the issue.

##### 6.4.1.2.6 根據包裝清單檢查機架（附錄 D，圖 2）

Per Packing AK list check the rack (Appendix D. Fig 2)

##### 6.4.1.2.7 所有 AK 清單中的零件編號和數量必須與實物一致。

All AK List part numbers and quantities must be consistent with physical material.

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#### 6.4.1.3 根據 Run Card 包裝清單檢查網路機架：（附錄 C，圖 4）

Check Network Racks per Run Card Packing Checklist: (Appendix C. Fig 4)

6.4.1.3.1 機架外觀檢查。 Rack cosmetic check.

6.4.1.3.2 貼上所有標籤。 Apply all labels requirements.

6.4.1.3.3 檢查所有標籤並確保其正確無誤。 Check all labels and make sure they are correct

6.4.1.3.4 PDU 的所有電源開關均已關閉。 All power switches of PDU are turned off

#### 6.4.2 特殊檢查：Special Check:

6.4.2.1 確保 6 組電源開關和交換器電源均已關閉。（附錄 D，圖 3）

Make sure 6 sets power toggles and Switches power must be turned off. (Appendix D. Fig 3)

6.4.2.2 確保交換器電源開關已關閉。（附錄 D，圖 4）

Make sure Switches' power toggles must be turned off. (Appendix D. Fig 4)

6.4.2.3 確保機架正面左右兩側的 12 個螺絲都已蓋上塑膠蓋。（附錄 D，圖 5）

Make sure 12 screws have a plastic cover on the left and right side of the front of the rack. (Appendix D. Fig 5)

6.4.2.4 確保機架兩側已蓋上 6 個橡膠墊。（附錄 D，圖 6）


Make sure 6 rubber pats on both sides of the rack. (Appendix D. Fig 6)

6.4.2.5 確保所有交換器連接埠均已蓋上防塵蓋。（附錄 D，圖 7）

Make sure all switches' ports have dust covers. (Appendix D. Fig 7)

6.4.3 如果任何產品有品質問題，PPA 將拒絕並拍照，並將檢查結果記錄

在“QAD-014A NW RACK PPA 發現與缺失報告”中。（附錄 E，圖 1）

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PPA 將要求 Pack Out 人員前往 PPA 區域解決品質問題。然後必須重新檢查 PPA 是否修復了相同的發現（在其他 RU 上也是如此）。

If any items are quality issues, PPA will be rejected and take a picture, documenting the findings in the “QAD-014A NW RACK PPA Findings and Missing report.” (Appendix E. Fig 1) PPA will ask Pack Out to come to PPA area to fix quality issues. Then PPA must be re-checked the same finding is fixed (on other RU too).

6.4.4 檢查通過 PPA2。檢驗員在 Run Card 上簽署（或簽上姓名首字母），掃描序號 (SN)，並將結果輸入 SFCS。

Inspection passed PPA2. Inspector signs (or initials) the Run Card, scan SN and enter results in SFCS.

6.4.4.1 若發現任何項目未執行或不符合要求，請勿勾選或簽署。通知 PPA 主管或品質工程師 (QE) 解決問題。

Do not check or sign the box if any item is found not performed or under non-conformance. Inform PPA supervisor or QE to resolve the question.

## 6.5 不合格 Rack 的拒收 Rejection of Non-Conformance Racks


6.5.1 發現不符合要求時，When there is a non-conformance found,

6.5.1.1 若發現任何項目未執行或不符合要求，請勿勾選或簽署。通知 PPA 主管或品質工程師 (QE) 解決問題。

Do not check or sign the box if any item is found not performed or under non-conformance. Inform PPA supervisor or QE to resolve the question.

6.5.1.2 如果生產部門無法解決問題，請在貨架上放置紅色「暫停」標籤，通知品質工程師 (QE)，並等待 QE 的指示。

If production cannot fix the problem, please place a red On-Hold tag on the rack, inform QE, and wait for QE instructions.

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6.5.1.3 如果確定為 PID 缺陷，生產部門應將「暫停」產品並進行標示與隔離。

If it is determined to be PID defect, production shall move the 'On-Hold' product and mark and isolate.

6.5.2 品質工程師 (QE) 和產品工程師 (IE) 進行 RCCA。一旦確定解決方案，

QE & IE to conduct RCCA. Once a solution is determined,

6.5.2.1 如果涉及新製程或工裝，產品工程師 (IE) 應更新 MPI 並發布關於文件變更的 MN。

IE updates the MPI and issue MN on the documentation changes if new process or tooling is involved.

6.5.2.2 品質工程師 (QE) 更新 FAI (如有需要)，並為生產和 PPA 團隊提供培訓。

QE update FAI (if needed) and provides training for Production and PPA teams.

6.5.3 生產部門修復產品，移除「暫停」標籤，並將產品移至 PPA 重新檢驗。

Production to repair the product, remove the On-Hold tag and move the product to the PPA to re-inspect.


## 7 參考文件 **Reference Document**

7.1 QAD-2-00201 HOU 文件管制程序

## 8 使用表單 **Table/Sheet**

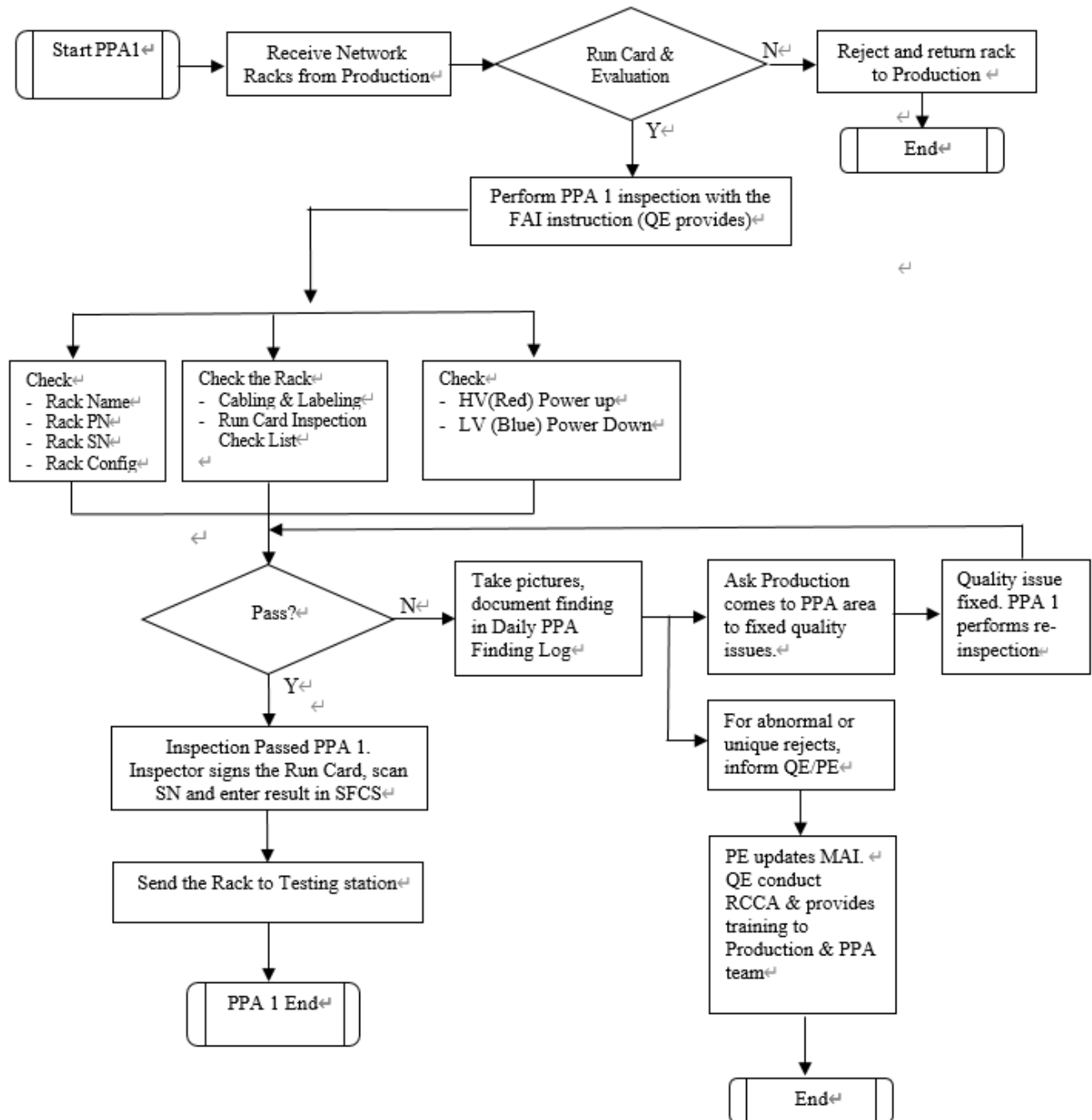
8.1 QAD-013A Cabinet Material Inspection Guidance.


8.2 QAD-014A NW RACK PPA Findings and Missing report

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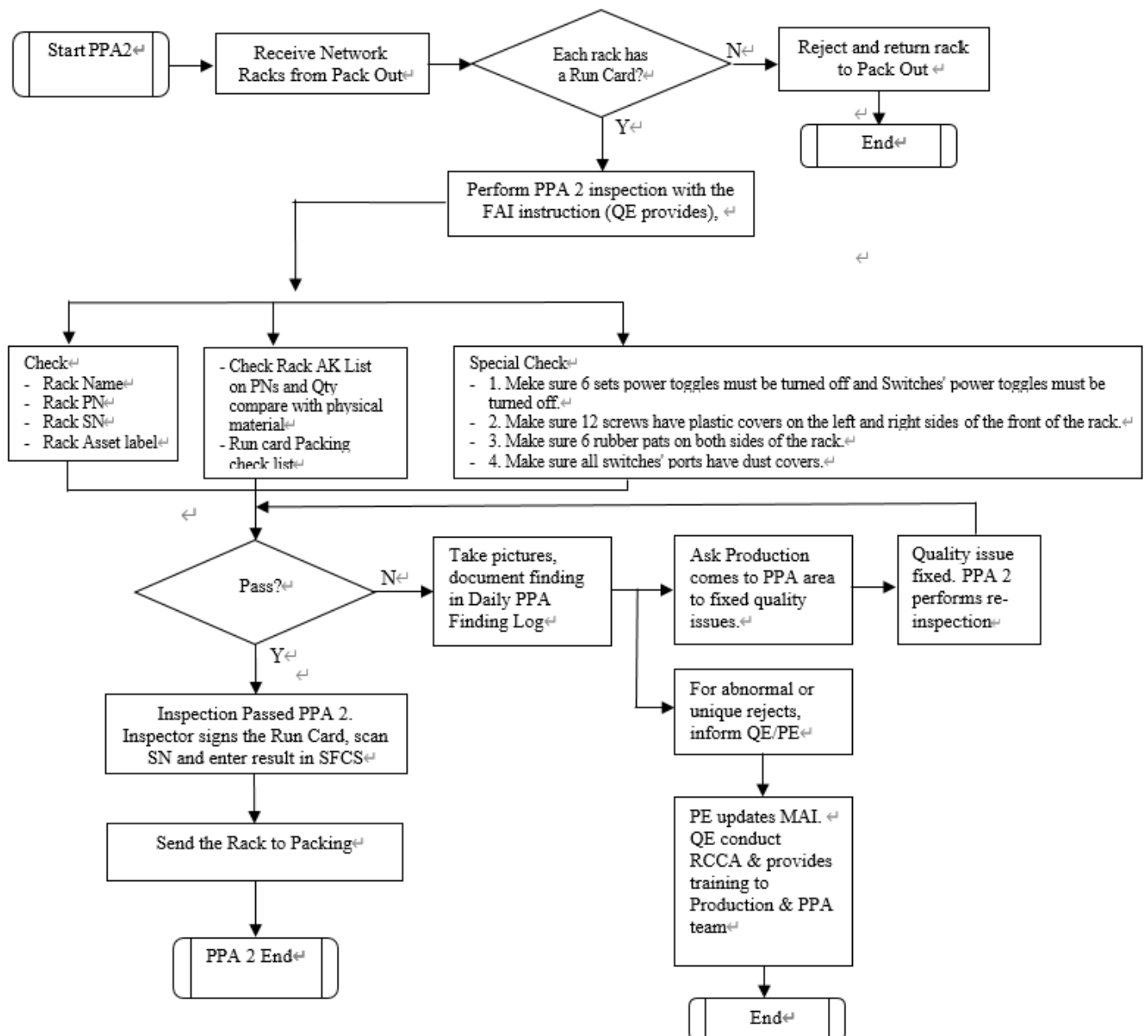
## Appendix A: PPA1, Inspection After Assembly (RIC) Done, and Before Testing


### Flow Chart



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## Appendix B: PPA2, Inspection After Testing and Pack Out, and Before Packing Flow Chart



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## Appendix C: Run Card and Elevation File (1 of 3)

Fig 1: Run Card

Build Date: 09/08/25    Qty: 1    **NETWORK RACK ATO**

P/N : 722629-31612    **Rack Name: NET.AD CFAB V2 NT1 NT2 2.01**    SpecPN: 8221137

(SN:) 2536HC8001    (WO:) PZCA2509701    Mitac PN: 5262B1110003

By	Pass/Fail	TASKS
		PI Cosmetic1
		Assembly1
		VMI
		Assembly2
		VMI2
		PPA(1)
		SEND DATA
		HI POT
		SOLT
		VMI3
		Snapshot1
		AK Link
		Packing
		VMI4
		PPA(2)
		Turn IN

**Inspection Check List:**

Rack Cosmetic Checked ☐ ASSY PF PPA PF

All switches are in correct RU slot ☐

All screens are lighted as request ☐

All cables are connected and fully seated ☐

All labels are correct match with Runcard ☐

Cables are exiting RU on the same line ☐

Cable Labels on Fiber are 3 in from boot and 2 in on copper cables ☐

Green and Blue Power Cords are going to the corresponding colored PDU ☐

No Zip Ties ☐

All Velcro tie downs must be removable from the inside of the rack ☐

Cable bundles are separated by cable type ☐

Verify both the left and right PDU CAT5A cables are disconnected at the PDU ports and dressed with a service loop termination pointed out ☐

All power switches of PDU and switches are on ☐

**Packing Check List:**

Rack Cosmetic Checked ☐ ASSY PF PPA PF

Apply all Labels requirement ☐

Check All Labels make sure they are corrected ☐

All power switches of PDU are turned off ☐

**Note : NEW PDU PN 8206114/8213388(HV), 8209273/8213389(LV)**

**HV(RED) Spec 8213388 | Power UP Spec 8209272**

Figure 2: Elevation File


the best regional partners    Network Rack Metro Core ZR Rack Assembly Instructions

OC-Infra NET.OAD\_METRO\_CORE\_ZR\_7.01    **MITAC**

**Network Rack**  
Rack Elevation

U Position	Front Gate	Front Mount Component	U Position	Service Type	U Position	Front Mounting Structure	Component Mounted Interface (U/L)	U Position	Front Gate	Back Mount Component	U Position	Installation Note
42	TSR		42	Terminal Server	42	FRONT	42	TSR			42	
41			41	Management	41	FRONT	41				41	
39		1/2 Rack Filter	39								39	
38			38								38	
37			37								37	
36			36								36	
35			35								35	
34		1/2 Rack Filter	34								34	
33			33								33	
32			32								32	
31			31								31	
30		1/2 Rack Filter	30								30	
29			29								29	
28			28								28	
27		1/2 Rack Filter	27								27	
26			26								26	
25		1/2 Rack Filter	25								25	
24			24								24	
23		1/2 Rack Filter	23								23	
22			22								22	
21		1/2 Rack Filter	21								21	
20			20								20	
19		1/2 Rack Filter	19								19	
18			18								18	
17		1/2 Rack Filter	17								17	
16			16								16	
15		1/2 Rack Filter	15								15	
14			14								14	
13		1/2 Rack Filter	13								13	
12			12								12	
11		1/2 Rack Filter	11								11	
10			10								10	
9		1/2 Rack Filter	9								9	
8			8								8	
7		1/2 Rack Filter	7								7	
6			6								6	
5		1/2 Rack Filter	5								5	
4			4								4	
3		1/2 Rack Filter	3								3	
2			2								2	
1		1/2 Rack Filter	1								1	

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**Appendix C: Run Card and Elevation File (2 of 2)**  
**Fig 3: PPA1, Inspection Check List**

Build Date: 09/08/25  
 NETWORK\_RACK Qty: 1 **NETWORK RACK ATO**

PIN : 722629-31612 **Rack Name: NET.AD CFAB V2 NT1 NT2 2.01** SpecPN: 8221137

(SN:) 2536HC8001 (WO:) PZCA2509701 Mitac PN: 5262B1110003

By	Pass/Fail	TASKS
		PI Cosmetic1
		Assembly1
		VMI
		Assembly2
		VMI2
		PPA(1)
		SEND DATA
		HI POT
		SOLT
		VMI3
		Snapshot1
		AK Link
		Packing
		VMI4
		PPA(2)
		Turn IN

Attention:  
 1. Network Rack(OCI) request special cable labeling  
 2. All copper cables must have label application 2 inches from the boot  
 3. All fiber cables requiring a flag label, label application be 3 inch from the boot  
 4. CAT6 network cable, vendor label end connect to the highest slot(switch)  
 5. All OCI Networking Solutions labels are applied in the TO FROM orientation  
 Example-the PDU side of the label is closest to the PDU end of the power cable  
 Server side of the label is closest to the server end of the cable

**Inspection Check List:**

Rack Cosmetic Checked

All switches are in correct RU slot

All screens are lighted as request

All cables are connected and fully seated

All labels are correct match with Runcard

Cables are exiting RU on the same line

Cable Labels on Fiber are 3 in from boot and 2 in on copper cables

Green and Blue Power Cords are going to the corresponding colored PDU

No Zip Ties

All Velcro tie downs must be removable from the inside of the rack

Cable bundles are separated by cable type

Verify both the left and right PDU CAT6A cables are disconnected at the PDU ports and dressed with a service loop termination pointed out.

All power switches of PDU and switches are on

**Packing Check List:**

Rack Cosmetic Checked

Apply all Labels requirement

Check All Labels make sure they are corrected

All power switches of PDU are turned off

Note : NEW PDU PN 8206114/8213388(HV) 8209273/8213388(LV)

HV(RED) Spec 8213388 | Power UP Spec 8209272

**Fig 4: PPA2, Packing Check List**

Build Date: 09/08/25  
 NETWORK\_RACK Qty: 1 **NETWORK RACK ATO**

PIN : 722629-31612 **Rack Name: NET.AD CFAB V2 NT1 NT2 2.01** SpecPN: 8221137

(SN:) 2536HC8001 (WO:) PZCA2509701 Mitac PN: 5262B1110003

By	Pass/Fail	TASKS
		PI Cosmetic1
		Assembly1
		VMI
		Assembly2
		VMI2
		PPA(1)
		SEND DATA
		HI POT
		SOLT
		VMI3
		Snapshot1
		AK Link
		Packing
		VMI4
		PPA(2)
		Turn IN

Attention:  
 1. Network Rack(OCI) request special cable labeling  
 2. All copper cables must have label application 2 inches from the boot  
 3. All fiber cables requiring a flag label, label application be 3 inch from the boot  
 4. CAT6 network cable, vendor label end connect to the highest slot(switch)  
 5. All OCI Networking Solutions labels are applied in the TO FROM orientation  
 Example-the PDU side of the label is closest to the PDU end of the power cable  
 Server side of the label is closest to the server end of the cable

**Inspection Check List:**

Rack Cosmetic Checked

All switches are in correct RU slot

All screens are lighted as request

All cables are connected and fully seated

All labels are correct match with Runcard

Cables are exiting RU on the same line

Cable Labels on Fiber are 3 in from boot and 2 in on copper cables

Green and Blue Power Cords are going to the corresponding colored PDU

No Zip Ties

All Velcro tie downs must be removable from the inside of the rack

Cable bundles are separated by cable type

Verify both the left and right PDU CAT6A cables are disconnected at the PDU ports and dressed with a service loop termination pointed out.

All power switches of PDU and switches are on

**Packing Check List:**

Rack Cosmetic Checked


Apply all Labels requirement

Check All Labels make sure they are corrected

All power switches of PDU are turned off

Note : NEW PDU PN 8206114/8213388(HV) 8209273/8213388(LV)

HV(RED) Spec 8213388 | Power UP Spec 8209272

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Appendix D: PPA Inspection Pictures (1 of 3)

Fig 1: Rack asset labels



Fig 2: Packing AK list check the rack

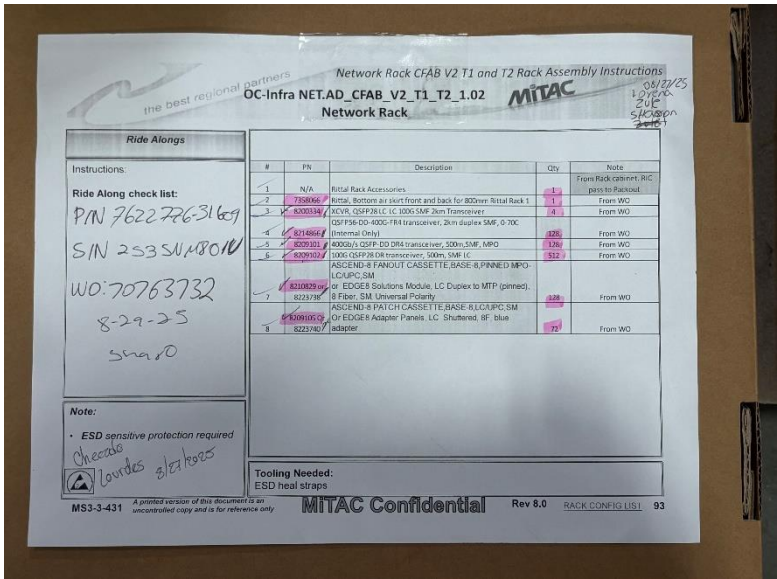

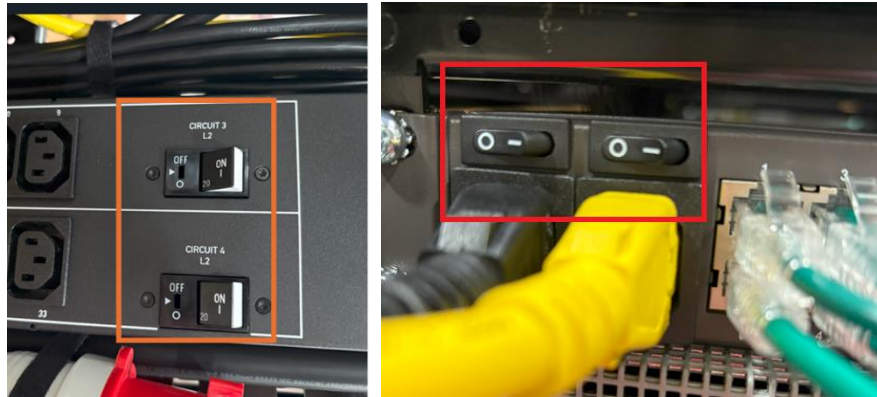


Fig 3: 6 sets power (PDU) toggles and Switches power must be turned off

Figure 4: Switches' power toggles must be turned off

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#### Appendix D: PPA Inspection Pictures (2 of 3)

Fig 5: 12 screws have a plastic cover on the left and right side of the front of the rack



Fig 6: 6 rubber pats on both sides of the rack



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Appendix D: PPA Inspection Pictures (3 of 3)


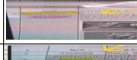








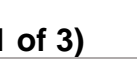

Fig 7: All switches' ports have dust covers



Appendix E: Daily PPA – Inspection Finding Log

Fig 1: Example of the NW RACK PPA Findings and Missing report

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NETWORK RACK 2025 PPA - Inspection findings report							
No#	DATE	W/O	PN	S/N	Failure Description	PPA Inspector	
310	8/26/2025	70763591	7628060-31439	2534NM803K	Missing the label PDU A, PDU B.	Yazo	
311	8/26/2025	70763346	7623432-31706	2534NM800V	Rack AK missing "PN 7358066" Part (Pack out area)	Yazo	
312	8/26/2025	70763035	7623432-31706	2534NM800H	Rack AK missing "PN 7358066" Part (Pack out area)	Yazo	
313	8/26/2025	70763373	7623432-31772	2534NM800G	Have scratch on the surface bracket + 1 screw loosed.	Yazo	
314	8/27/2025	70763372	7623432-31706	2534NM8010	The Part " G30" missing (PACK OUT Area)	Yazo	
315	8/27/2025	70763372	7606852-31506	2535NM8001	The Green cable was installed wrong Port. It should be putted down Port	Yazo	
316	8/28/2025	70763720	7623432-31461	2535NM8011	The nut screw loosed	Rosana/ Su	
317	8/28/2025	70763746	7606852-31606	2535NM800K	The cable U41eth13 connected wrong Port	Su	
318	8/28/2025	70763724	7623432-31461	2535NM8012	No "TURN OFF" the Switch Power (Pack out area)	Yazo	
319	8/29/2025	70763471	7623432-31454	2534NM804V	The screw loose	Cui/ Ann	
320	8/29/2025	70762093	7628240-31051	2534NM804U	Missing 2 rubber feets on the Door of Rack	Cui/ Ann	
321	8/29/2025	70764118	7606852-31606	2535NM802Y	The nut screw have not tighten fully seated	Cui/ Ann	

## Appendix F: Example of PPA First Article Inspection (FAI) Instruction (1 of 3)

FAI Information	
Model Family PN	7606123-32467
Build Config	NET.OAD_V2_CORE_1.12
Manufacturing Site	MiTAC-MIS
FAI State	Pretest
Submission Date	11-08-2025
Rack Serial Number	2528NM8045
Sample Number (if applicable)	1
Factory Shift Built On	10-07-2025
Submitter	Brian X
Related ECO/DA/PA	PA54381
L11 BOM PN and Revision	8229257 Rev 02
L11 Mechanical Spec PN and Revision	8229258 Rev 04


FAI Classification ('X' mark applicable)	Pretest	Packout
New Product Introduction	X	
Sample Build after Initial FAI		
Product Revision Change		

FAI Rev	Manufacturing Site Approver	Date	Changes from Previous Revision
01	<Ross Mandis>, <ME>		NA

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L11 FAI Template  
 PN: 8206792  
 Rev: 05  
 Date Released: 08/12/2021


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Pretest Rack Inspection Checklist - L11 Rack Assembly			
Step	Details	Comments	Pass/Fail
1	All PA's / Deviations have been understood and executed		PASS
2	Conformance to Oracle BOMs and assembly drawings		PASS
	a. Ensure that all Marketing part numbers match (BOM, Labels, and Oracle order details)		PASS
	b. Ensure that all Manufacturing part numbers match (BOM, Labels, and Oracle order details)		PASS
	c. Ensure that all Serial numbers match (BOM, Labels, and Oracle order details)		PASS
3	Conformance to supplier BOMs and assembly drawings		PASS
4	Conformance to Oracle cosmetic spec; 923-2001-[ ] rev[ ]		PASS
5	Conformance to Oracle RoHS spec; 914-1742-[ ] rev[ ]		PASS
6	Ensure all devices, filler panels and shelves are installed per the rack elevation and pass cosmetic specifications		PASS
7	Ensure all devices are secured to the rack. Screws are tight and rail latches lock		PASS
8	Ensure all rack mounted devices are removable per the rack serviceability requirements		PASS
9	Ensure all cables are correctly labeled and the label content is readable		PASS
10	Ensure all cables are routed without violating cable bend radius rules		PASS
11	Ensure no cables obstruct the path of server removal out the front of the rack		PASS
12	Ensure all rack ground clips are fully connected		PASS
13	Ensure no debris is under the rack. Ensure pallet deck channels are clear of debris (critical safety item)		PASS
14	PDU labels are installed		PASS
15	All cables are latched. Give a slight pull/push to latching connectors to ensure cable is fully seated and latched. Push all power cable to ensure they are fully seated.		PASS
16	Ride along parts are clearly identified and match BOM		PASS
17	All rack and device SN number labels are placed per L11 Mfg Requirements spec, legible and scannable		PASS
18	Ensure keys can lock and unlock side panels and/or doors		PASS
19	Rack key set is secured to the front rail or front door per L11 Mfg Requirements spec		PASS
20	[If Applicable] Storekeeper Name labels are placed per L11 Mfg Requirements spec and content match the product specification		PASS
21	[If Applicable] RFID / Asset tags are installed per L11 Mfg Requirements spec, legible and scannable	applying asset Tags at packout	NA

## Appendix F: Example of PPA First Article Inspection (FAI) Instruction (2 of 3)

### Rack Elevation (8229258\_net.oad\_v2\_core\_1.12 - Rack Spec\_rev4)


U Position	Front Cage Nuts	Front Mounted Component	Oracle PK	U Position	Device Type	Oracle PN	Port Mounting Direction	Component Mounted between rails	U Position	Rear Cage Nuts	Back Mounted Component	Oracle PN
42	T/B			42	cellgateway	8219038	FRONT	CM8148-10G	42			
41				41	MGMT	8209845	FRONT	Arista-DCS-7050TG-48C8-F	41			
40				40	MGMT T1	7339082	FRONT	Arista-DCS-7060CX-32S-F	40			
39	T/B			39	MTS	8219038	FRONT	CM8148-10G	39			
38	T/B			38	NTP	7338873	FRONT	Microsemi SyncServer S650	38	T/B		
37		1U Blank Filler	7358445	37					37			
36				36	Bastion	8219724	FRONT	Sun X8-2	36			
35		1U Blank Filler	7358445	35					35			
34	T/B	1U Patch panel base-12	8223736	34	MMR				34			
33	T/B			33	POP <-> AD	7360560	FRONT	Passive MUX	33			
32	T/M/B			32	POP <-> AD	7360556	FRONT	CX1200	32			
31	T/B			31		7321857	FRONT	Support Shelf	31	T/B		
30		1U Blank Filler	7358445	30					30			
29		1U Blank Filler	7358445	29					29			
28	T			28	T1 <-> T0				28			
27	M			27	T1 <-> T0				27			
26	M			26	T1 <-> T0				26			
25	B			25	T1 <-> T0				25			
24		1U Blank Filler	7358445	24					24			
23		1U Blank Filler	7358445	23					23	T/B	DB Sentry	8221432
22		1U Blank Filler	7358445	22					22			
21				21	JFABT1	8208776	FRONT	Arista DCS-7060DX4-32-F	21			
20				20	JFABT1	8208776	FRONT	Arista DCS-7060DX4-32-F	20			
19				19	JFABT1	8208776	FRONT	Arista DCS-7060DX4-32-F	19			
18				18	JFABT1	8208776	FRONT	Arista DCS-7060DX4-32-F	18			
17				17	JFABT1	8208776	FRONT	Arista DCS-7060DX4-32-F	17			
16				16	JFABT1	8208776	FRONT	Arista DCS-7060DX4-32-F	16			
15		1U Blank Filler	7358445	15					15			
14		1U Blank Filler	7358445	14					14			
13				13	JFABT2	8208776	FRONT	Arista DCS-7060DX4-32-F	13			
12				12	JFABT2	8208776	FRONT	Arista DCS-7060DX4-32-F	12			
11				11	JFABT2	8208776	FRONT	Arista DCS-7060DX4-32-F	11			
10				10	JFABT2	8208776	FRONT	Arista DCS-7060DX4-32-F	10			
9		1U Blank Filler	7358445	9					9			
8				8	CFABT2	8208776	FRONT	Arista DCS-7060DX4-32-F	8			
7				7	CFABT2	8208776	FRONT	Arista DCS-7060DX4-32-F	7			
6	T/B	1 RU Patch Panel base 8	8223732	6	T2 <-> T3				6			
5	T/B	1 RU Patch Panel base 8	8223732	5	T2 <-> T3				5			
4				4	CFABT3	8208776	FRONT	Arista DCS-7060DX4-32-F	4			
3				3	CFABT3	8208776	FRONT	Arista DCS-7060DX4-32-F	3			
2				2	CFABT3	8208776	FRONT	Arista DCS-7060DX4-32-F	2			
1				1	CFABT3	8208776	FRONT	Arista DCS-7060DX4-32-F	1			

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Pretest FAI


Photo Requirements and View Legend

	Photo Angle		
	45° Left	Straight-On	45° Right
Front of Rack			
Full Rack	FR3	FR1	FR2
Top Half	FR6	FR4	FR5
Bottom Half	FR9	FR7	FR8
Switches	SW3	SW1	SW2
Servers	SV3	SV1	SV2
Other Rack Mounted Systems	MS3	MS1	MS2
All applied labels		LB1	
Rear of Rack			
Full Rack	RR3	RR1	RR2
Top Half	RR6	RR4	RR5
Bottom Half	RR9	RR7	RR8
Switches	SW6	SW4	SW5
Switch Cabling (if possible) View from above 45-60°		SW7	
Switch Cabling (if possible) View from below 45-60°		SW8	
Servers	SV6	SV4	SV5
Other Rack Mounted Systems	MS6	MS4	MS5
All applied labels		LB1	
Side A Cabling (only if there is cabling on the side of the rack)			
Full Rack		SA1	
Top Half		SA2	
Bottom Half		SA3	
Side B Cabling (only if there is cabling on the side of the rack)			
Full Rack		SB1	
Top Half		SB2	
Bottom Half		SB3	
To-From Cable Labels			
Legible photo of each cable type		LB2	



Appendix F: Example of PPA First Article Inspection (FAI) Instruction (3 of 3)



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