

DOCUMENT NUMBER:	<b>MTN-0036A-24</b>
ISSUE DATE:	<b>2024-04</b>

# MOTOROLA SOLUTIONS TECHNICAL NOTIFICATION (MTN)

## Title

Fortinet F101e firewalls firmware security update to FortiOS 7.0.12

## Technology

ASTRO® 25 - Fortinet F101e firewalls (FW)

## Severity Recommendation

High/Safety - Perform Immediately

## Symptoms

Fortinet F101e firewalls security software update. The following CVEs were resolved:

CVE-2017-17544, CVE-2018-13379, CVE-2019-17655, CVE-2019-5591, CVE-2019-6693, CVE-2020-12812, CVE-2020-15938, CVE-2020-29010, CVE-2020-6648, CVE-2020-9289, CVE-2021-24018, CVE-2021-26092, CVE-2021-26103, CVE-2021-26108, CVE-2021-26109, CVE-2021-26110, CVE-2021-42755, CVE-2021-42757, CVE-2021-43072, CVE-2021-43206, CVE-2021-44168, CVE-2021-44170, CVE-2021-44171, CVE-2022-22305, CVE-2022-22306, CVE-2022-29053, CVE-2022-41330, CVE-2022-42475, CVE-2022-42476, CVE-2022-43947, CVE-2022-45861, CVE-2023-22639, CVE-2023-25610, CVE-2023-27997, CVE-2023-29178, CVE-2023-33305, CVE-2023-36639.

## Models / System Releases / Kits / Datecodes Affected

ASTRO releases: A2020.x/A2021.1/A2022.x with Fortinet F101e firewalls specified below. Firmware version 6.0.10 and prior

- Control Room Firewall
- ISSI8000/Telephony Firewall
- Internet Base Radio (IBR) Firewall
- Wave 5k/LMP Firewall
- RNI DMZ Firewall
- Internetworking Firewall
- ZCP Firewall

## When To Apply

During maintenance ☒\_X\_

As instructed ☐\_X\_

## Workaround/Recovery

None

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## Resolution And Repair Procedure

Upgrade to the appropriate version as listed in the "Software Parts Required" section below, based on the model.

### Order of upgrade:

1. Check the current UNC (Unified Network Configurator) version on the system. If the system is running a version lower than listed in the section Software Parts Required below, upgrade UNC to the minimum version specified below or later. Otherwise, go to the next step.
2. Generate TNCT configuration using the version listed in the section Software Parts Required below.
3. Upgrade Fortinet OS for all firewalls in the system which match the firewalls specified in the section Models / System Releases / Kits / Datecodes Affected above.

### Follow the order:

- a. Upgrade OS
- b. Deploy configuration
- c. Reboot FW

### To obtain software:

1. Initiate a software request case through Motorola Solutions, Inc. Centralized Managed Support Operations (CMSO) - see contact numbers at <https://motorolasolutions.com/support> (for NA call directly: 800-MSI-HELP (800-674-4357) or 302-444-9800)
2. Await confirmation email from Motorola Solutions Software Factory (MSSF) with instructions
3. Complete the Motorola Solutions Software Factory Software Order Form:
  - Reference **MTN-0036A-24** in the 'Reason for Software/Hardware Change' section of the software order form.
  - List the part number (KC # as listed under "Software Parts Required" below) in the 'Part # or Version #' section of the software order form.
4. Email completed Software Order Form to MSSF for processing

To schedule a TNCT update, please contact your dedicated Motorola Customer Support Manager (CSM) or System Manager.

## Time To Implement/System Impact

### For UNC upgrade:

Estimated time to implement - per machine - approximately 1-2 hours

Medium - time-consuming but no loss of functionalities

### For Fortinet OS upgrade:

Estimated time to implement - per firewall - up to 15 min (including OS transfer time)

Medium - time-consuming but no loss of functionalities.

## Software Parts Required

System Release	Name / SW version	Details / Part Number
A2020.x, A2021.1, A2022.x	FortiOS 7.0.12	KC147L01M000071719 or later

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A2020.x, A2021.1, A2022.x	TNCT Version: R26.129.00 or later	N/A
A2020.x, A2021.1	UPDATE-UNC-Astro-07.20.09.74-01	KC877L0AT000200148 or later
A2020.x, A2021.1	UNC-Astro-07.20.09.74-01	KC877L0AT000200147 or later
A2020.x, A2021.1	UNCDS-Astro-07.20.09.74-01	KC877L0AT000200181 or later
A2022.x	UPDATE-UNC-Astro-07.22.04.36-01	KC877L0AT000220119 or later
A2022.x	UNC-Astro-07.22.04.36-01	KC877L0AT000220118 or later
A2022.x	UNCDS-Astro-07.22.04.36-01	KC877L0AT000220159 or later

## Additional Information

### NOTE 1

This MTN applies to Fortinet F101e devices on firewall positions in the ASTRO system.

### NOTE 2

Fortinet F101e upgrade time is 12 minutes (single node), 14 minutes (cluster). This includes a config update.

OS 7.0.12 size: 70 MB.

### NOTE 3

#### Known issue:

After upgrading FortiOS to 7.0.12 on RNI-DMZ and Internetworking firewalls in HA mode, the first upload of configuration for the 7.0.12 OS task via UNC will fail with the following error:

```
>>> "set" "dhcp-renew-time" "0" @ 11517:system.interface.mgmt:value parse error
(error -61)
```

#### Workaround:

Retry the configuration upload. The second configuration upload succeeds and subsequent configuration uploads are successful.

## Reference The Following Documents/Processes For Installation Procedures

[Unified Network Configurator User Guide](#) - chapter Updating OS Images and Software on Devices.

## Labor Allowance

This is an informational bulletin. No labor warranty is implied, intended, or authorized.

For assistance with this bulletin please contact your MSI Technical Support Centre at <https://motorolasolutions.com/support>.

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