



Dgw v2.0 Application Release Notes

Version 2.0, Release 29.531

October 20, 2014

Proprietary & Confidential

© 2015 Media5 Corporation

Third-Party Software Copyright Information

The Mediatrix Dgw v2.0 firmware aggregates some third-party software modules (open source and commercial) that are distributed to you in accordance with their respective licenses. Refer to the Third Party Software Copyright Information addendum available on the Media5 Download Portal (http://www.media5corp.com/repository/common%20manuals/Third-Party_Software_Copyright_Information_Mediatrix.pdf), which lists the third-party software modules along with any copyright and license information.

These Release Notes are provided with restrictive rights and are subject to the restrictions as set forth in the non disclosure agreement executed between the user and Media5.

Table of Contents

1. About the Mediatrix 3000 Series Gateways	7
2. About the Mediatrix 4100 Series Gateways	7
3. About the Mediatrix 4400 Series Digital Gateways	8
4. About the Mediatrix LP Series Gateways.....	8
5. About the Mediatrix C7 Series Gateways.....	8
6. Information on Prior Releases	8
7. Release Definitions	9
8. Upgrading Your Application.....	10
9. Version 2.0r29.531.....	10
9.1 Modified Features & Functionalities	10
9.2 New Functionality	10
9.3 Interface Modifications.....	10
9.4 Issues Fixed.....	11
10. Version 2.0r29.527	11
10.1 Modified Features & Functionalities	11
10.2 New Functionality	11
10.3 Interface Modifications.....	11
10.4 Issues Fixed.....	11
11. Version 2.0r29.515.....	12
11.1 Modified Features & Functionalities	12
11.2 New Functionality	12
11.3 Interface Modifications.....	12
11.4 Issues Fixed.....	12
12. Version 2.0r29.511.....	13
12.1 Modified Features & Functionalities	13
12.2 New Functionality	13
12.3 Interface Modifications.....	13
12.4 Issues Fixed.....	13
12.4.1 Issues Fixed – Models with ISDN Interfaces.....	13
13. Version 2.0r29.510.....	14
13.1 Modified Features & Functionalities	14
13.2 New Functionality	14
13.3 Interface Modifications.....	14
13.4 Issues Fixed.....	14
14. Version 2.0r29.508.....	15
14.1 Modified Features & Functionalities	15
14.2 New Functionality	15
14.3 Interface Modifications.....	15
14.4 Issues Fixed.....	15
14.4.1 Issues Fixed – Models with ISDN Interfaces.....	15
15. Version 2.0r29.506.....	15
15.1 Modified Features & Functionalities	16
15.2 New Functionality	16
15.3 Interface Modifications.....	16
15.4 Issues Fixed.....	16

15.4.1	<i>Issues Fixed – Models with ISDN Interfaces</i>	16
16.	Version 2.0r28.504	17
16.1	Modified Features & Functionalities	17
16.2	New Functionality	17
16.3	Interface Modifications	17
16.4	Issues Fixed.....	17
17.	Version 2.0r28.499	17
17.1	Modified Features & Functionalities	18
17.2	New Functionality	18
17.3	Interface Modifications	18
17.4	Issues Fixed.....	18
17.4.1	<i>Issues Fixed – Models with ISDN Interfaces</i>	19
17.4.2	<i>Issues Fixed – Models with PRI Interfaces</i>	19
18.	Version 2.0r27.491	19
18.1	Modified Features & Functionalities	19
18.2	New Functionality	19
18.3	Interface Modifications	19
18.4	Issues Fixed.....	20
19.	Version 2.0r27.485	20
19.1	Modified Features & Functionalities	20
19.2	New Functionality	20
19.3	Interface Modifications	20
19.4	Issues Fixed.....	20
20.	Version 2.0r27.476	21
20.1	Modified Features & Functionalities	21
20.2	New Functionality	21
20.3	Interface Modifications	22
20.4	Issues Fixed.....	22
21.	Version 2.0r27.462	23
21.1	Modified Features & Functionalities	23
21.2	New Functionality	23
21.3	Interface Modifications	23
21.4	Issues Fixed.....	23
22.	Version 2.0r27.457	24
22.1	Modified Features & Functionalities	24
22.2	New Functionality	24
22.3	Interface Modifications	24
22.4	Issues Fixed.....	25
23.	Version 2.0r27.454	25
23.1	Modified Features & Functionalities	25
23.2	New Functionality	25
23.3	Interface Modifications	25
23.4	Issues Fixed.....	26
24.	Version 2.0r26.451	26
24.1	Modified Features & Functionalities	26
24.2	New Functionality	26
24.3	Interface Modifications	26
24.4	Issues Fixed.....	26
25.	Version 2.0r26.449	27
25.1	Modified Features & Functionalities	27

25.2	New Functionality	27
25.3	Interface Modifications	27
25.4	Issues Fixed.....	28
25.4.1	<i>Issues Fixed – Models with FXS Interfaces.....</i>	28
25.4.2	<i>Issues Fixed – Models with ISDN Interfaces.....</i>	28
26.	Version 2.0r25.425.....	29
26.1	Modified Features & Functionalities	29
26.2	New Functionality	29
26.3	Interface Modifications	29
26.4	Issues Fixed.....	29
27.	Version 2.0r25.420.....	30
27.1	Modified Features & Functionalities	30
27.2	New Functionality	30
27.3	Interface Modifications	30
27.4	Issues Fixed.....	30
27.4.1	<i>Issues Fixed – Models with FXO Interfaces.....</i>	30
28.	Version 2.0r25.411.....	31
28.1	Modified Features & Functionalities	31
28.2	New Functionality	31
28.3	Interface Modifications	31
28.4	Issues Fixed.....	31
28.4.1	<i>Issues Fixed – Models with FXO Interfaces.....</i>	31
29.	Version 2.0r25.408.....	32
29.1	Modified Features & Functionalities	32
29.2	New Functionality	32
29.3	Interface Modifications	33
29.4	Issues Fixed.....	33
29.4.1	<i>Issues Fixed – Models with FXS Interfaces.....</i>	34
30.	Version 2.0r24.402.....	35
30.1	Modified Features & Functionalities	35
30.2	New Functionality	35
30.3	Interface Modifications	35
30.4	Issues Fixed.....	35
31.	Version 2.0r24.395.....	36
31.1	Modified Features & Functionalities	36
31.2	New Functionality	36
31.3	Interface Modifications	36
31.4	Issues Fixed.....	36
31.4.1	<i>Issues Fixed – Models with FXO Interfaces.....</i>	37
31.4.2	<i>Issues Fixed – Models with ISDN Interfaces.....</i>	37
32.	Version 2.0r24.389.....	37
32.1	Modified Features & Functionalities	37
32.2	New Functionality	37
32.3	Interface Modifications	37
32.4	Issues Fixed.....	38
33.	Version 2.0r24.386.....	38
33.1	Modified Features & Functionalities	38
33.2	New Functionality	38
33.3	Interface Modifications	38
33.4	Issues Fixed.....	38
34.	Version 2.0r24.382.....	39

34.1	Modified Features & Functionalities	39
34.2	New Functionality	39
34.3	Interface Modifications	39
34.4	Issues Fixed.....	39
35.	Version 2.0r24.378.....	40
35.1	Modified Features & Functionalities	40
35.2	New Functionality	40
35.3	Interface Modifications	40
35.4	Issues Fixed.....	40
36.	Version 2.0r24.373.....	41
36.1	Modified Features & Functionalities	41
36.2	New Functionality	41
36.3	Interface Modifications	41
36.4	Issues Fixed.....	41
36.4.1	<i>Issues Fixed – Models with ISDN Interfaces.....</i>	<i>41</i>
36.4.2	<i>Issues Fixed – Models with FXS Interfaces.....</i>	<i>41</i>
37.	Version 2.0r24.363.....	42
37.1	Modified Features & Functionalities	42
37.2	New Functionality	42
37.3	Interface Modifications	42
37.4	Issues Fixed.....	43
37.4.1	<i>Issues Fixed – Models with ISDN Interfaces.....</i>	<i>43</i>
38.	Version 2.0r23.358.....	44
38.1	Modified Features & Functionalities	44
38.2	New Functionality	44
38.3	Interface Modifications	44
38.4	Issues Fixed.....	44
39.	Version 2.0r23.338.....	45
39.1	Modified Features & Functionalities	45
39.2	New Functionality	45
39.3	Interface Modifications	45
39.4	Issues Fixed.....	45
40.	Version 2.0r23.336.....	46
40.1	Modified Features & Functionalities	46
40.2	New Functionality	46
40.3	Interface Modifications	46
40.4	Issues Fixed.....	46
41.	Version 2.0r23.335.....	47
41.1	Modified Features & Functionalities	47
41.2	New Functionality	47
41.3	Interface Modifications	47
41.4	Issues Fixed.....	48
41.4.1	<i>Issues Fixed – Models with ISDN Interfaces.....</i>	<i>48</i>
42.	Version 2.0r23.329.....	49
42.1	Modified Features & Functionalities	49
42.2	New Functionality	49
42.3	Interface Modifications	49
42.4	Issues Fixed.....	50
42.4.1	<i>Issues Fixed – Models with ISDN Interfaces.....</i>	<i>50</i>
43.	Version 2.0r23.325.....	51
43.1	Modified Features & Functionalities	51

43.2	New Functionality	51
43.3	Interface Modifications	51
43.4	Issues Fixed.....	51
43.4.1	Issues Fixed – Models with ISDN Interfaces.....	52
44.	Version 2.0r23.321	52
44.1	Modified Features & Functionalities	52
44.2	New Functionality	52
44.3	Interface Modifications	53
44.4	Issues Fixed.....	53
45.	Version 2.0r22.320	54
45.1	Modified Features & Functionalities	54
45.2	New Functionality	54
45.3	Interface Modifications	54
45.4	Issues Fixed.....	54
46.	Known Issues/Limitations of v2.0r29.531	54
46.1	General Issues/Limitations	54
46.2	Models with ISDN Interfaces Specific Issues/Limitations.....	57
46.3	Models with BRI Interfaces Specific Issues/Limitations	57
46.4	Models with PRI (E1/T1) Interfaces Specific Issues/Limitations	58
46.5	Models with FXS Interfaces Specific Issues/Limitations	58
46.5.1	Models with 7Fxs1Fxo Interfaces Specific Issues/Limitations.....	58
46.6	Models with FXO Interfaces Specific Issues/Limitations	58
47.	Miscellaneous Notes	59
48.	Contacting Media5.....	59

1. About the Mediatrix 3000 Series Gateways

The Mediatrix 3000 Series gateways allow enterprises to lower communications costs over any IP link. The platform supports ISDN E1 and T1 PRI telephony interfaces, ISDN BRI interfaces, as well as analog FXS/FXO interfaces. They provide an ideal solution for enterprise voice applications or for connecting to a service provider's broadband access. The following Mediatrix 3000 models are available:

Model	Interfaces	VoIP Call Capacity
Mediatrix 3208	1 x 6 FXO ports + 2 FXS ports card	Up to 8
Mediatrix 3216	2 x 6 FXO ports + 2 FXS ports card	Up to 16
Mediatrix 3308	7 FXS Lines / 1 FXO Line	Up to 7
Mediatrix 3316	14 FXS Lines / 2 FXO Lines	Up to 14
Mediatrix 3404	5 BRI ports	Up to 8
Mediatrix 3408	10 BRI ports	Up to 16
Mediatrix 3531	1 x T1-PRI port	Up to 23
Mediatrix 3532	2 x T1-PRI port	Up to 46
Mediatrix 3621	1 x E1-PRI port	Up to 15
Mediatrix 3631	1 x E1-PRI port	Up to 30
Mediatrix 3632	2 x E1-PRI port	Up to 60
Mediatrix 3716	1 x 6 FXO ports + 2 FXS ports card / 1 x 7 FXS ports + 1 FXO port card	Up to 16
Mediatrix 3731	1 x T1/E1 PRI port / 7 FXS ports + 1 FXO port	Up to 37
Mediatrix 3732	1 x 6 FXO ports + 2 FXS ports card 1 x T1/E1 card	Up to 38
Mediatrix 3734	1 x T1/E1 PRI port / 5 BRI ports	Up to 38
Mediatrix 3741	7 FXS ports + 1 FXO port / 5 BRI ports	Up to 15
Mediatrix 3800	Atom card	No telephony ports
Mediatrix 3801	Atom card & 1 x 7 FXS ports + 1 FXO port card	Up to 7
Mediatrix 3802	Atom card & 1 x 6 FXO ports + 2 FXS ports card	Up to 8
Mediatrix 3803	Atom card & 5 BRI Ports	Up to 8
Mediatrix 3804	Atom card & 1 x T1/E1 PRI port	Up to 30

2. About the Mediatrix 4100 Series Gateways

The Mediatrix® 4100 Series products are high-quality and cost-efficient VoIP gateways connecting larger branch offices and multi-tenant buildings or small offices to an IP network, while preserving investment in analog telephones and faxes.

The Mediatrix® 4100 access devices allow Service Providers to deploy rapidly and economically their solutions in medium-size premises or SOHOs and they are the ideal solution for branch office connectivity to larger private networks. The following Mediatrix 4100 models are available:

- Mediatrix 4102 (2 analog FXS ports)
- Mediatrix 4104 (4 analog FXS ports)
- Mediatrix 4108 (8 analog FXS ports)
- Mediatrix 4116 (16 analog FXS ports)
- Mediatrix 4124 (24 analog FXS ports)

3. About the Mediatrix 4400 Series Digital Gateways

The Mediatrix 4400 Series Digital Gateways allow enterprises to lower communications costs over any IP link. The platform features ISDN BRI interfaces. They provide an ideal solution for enterprise voice applications or for connecting to a service provider's broadband access. The following Mediatrix 4400 models are available:

Model	Interfaces	VoIP Call Capacity
Mediatrix 4401	1 BRI port	up to 2
Mediatrix 4402	2 BRI ports	up to 4
Mediatrix 4404	4 BRI ports	up to 8

4. About the Mediatrix LP Series Gateways

The Mediatrix® LP Series access devices are high-quality and cost efficient VoIP gateways connecting larger branch offices and multi-tenant buildings to an IP network, while preserving investment in analog telephones and faxes.

They offer features such as 60 VRMS ringing voltage, 2 kilometers loop distance and integrated secondary lightning protection, which allow them to be connected to external phone line cables. The following Mediatrix 4100 models are available:

- Mediatrix LP16 (16 analog FXS ports)
- Mediatrix LP24 (24 analog FXS ports)

5. About the Mediatrix C7 Series Gateways

The Mediatrix® C7 Series access device are multi-function devices combining VoIP Analog Adapter, Gateway and QoS control in a secure and powerful platform.

The Mediatrix C7 Series also allows Enterprises, Service Providers, and System Integrators to deploy secure systems and generate additional revenue streams.

- Mediatrix C710 (4 analog FXS ports)
- Mediatrix C711 (8 analog FXS ports)
- Mediatrix C730 (4 FXO ports)
- Mediatrix C733 (8 FXO ports)
- Mediatrix C731 (4 analog FXS ports and 4 FXO ports)

6. Information on Prior Releases

- For releases prior to v2.0r22.320, please refer to the release notes for v2.0r22.320.
- For releases prior to v2.0r17.285, please refer to the release notes for v2.0r17.285.
- For releases prior to v2.0r12.230, please refer to the release notes for v2.0r12.230.
- For releases prior to v2.0r9.150, please refer to the release notes for v2.0r9.150.
- For releases prior to v2.0r6.86, please refer to the release notes for v2.0r6.86.
- For releases prior to v2.0r4.55, please refer to the release notes for v2.0r4.55.
- For releases prior to v2.0r2.27, please refer to the release notes for v2.0r2.27.

7. Release Definitions

The following are the release definitions that apply to the Mediatrix products.

Internal Testing Only Load:

An Internal Testing Only Load is used by Media5 to test functionalities and critical bugs. Such loads are internal only.

Engineering Load:

An Engineering Load is a partial load, not all features planned for the official release have been implemented. An Engineering load is suited for a pre-validation of a particular functionality only. Only a minimum set of test cases have been performed and no guarantee that any other functionality than the goal of this load will work as expected is made. Should an Engineering load cause a bad behaviour of any equipment, Media5 declines any responsibility for such issues including ones that may result in recalling a unit.

The status of an Engineering load will never be upgraded to 'General Availability' (GA).

Once an Engineering load has been validated on a unit, the unit should be downgraded to the last GA load it was running before the upgrade.

Pre-Release Load:

A Pre-Release Load is a complete load, all features planned for this release are implemented. A Pre-Release Load is suited for [Pre-Validation of Functionality only](#). All functionalities have been partially tested in a limited number of test cases.

After having successfully completed the tests at Media5, the status of a Pre-Release Load is usually upgraded to 'General Availability' (GA). In some cases, if issues are found, a new Pre-Release is created.

Should a Pre-Release load cause a bad behaviour on any equipment, Media5 declines any responsibility for such issues including ones that may result in recalling a unit.

Alpha Load:

An Alpha Load is suited for [Lab Testing and Integration Tests](#) only. Extensive testing on all the functionality has been performed, but on a limited number of test cases.

Furthermore, critical bugs with Priority 1 that were reported during testing have been fixed. Should an Alpha Load be deployed in a production environment, Media5 declines any responsibility for issues that could occur or for loss of traffic and/or data in the network.

Beta Load:

A Beta Load has undergone very intensive testing and all major issues / bugs found during the Alpha Stage have been fixed and successfully tested accordingly. A Beta load can be considered, in many cases, as the final load that will go into production. It is suited for [Customer Field Trials in Controlled Environments](#).

After successful Field Trial Tests, with a certain number of customers, the status of a Beta Load is usually upgraded to 'General Availability' (GA). In some cases, minor bugs will also be fixed between Beta and GA.

Limited Availability Load:

A Limited Availability load has undergone intensive testing and validation. It has a controlled limited distribution under special agreements. Most known issues identified during the testing and validation stages have been fixed, while the remaining restrictions are known and documented. The use made of Mediatrix products with a Limited Availability load must conform to product specifications and within the limits of reasonable environmental and network conditions.

Media5 shall not be liable for any loss or damage whatsoever caused directly or indirectly in connection with Mediatrix products making use of a Limited Availability firmware load, except to the extent to which it is unlawful to exclude such liability under the applicable law.

Moreover, Media5 excludes liability for any indirect, special, incidental or consequential loss or damage, which may arise in respect of Mediatrix products using a Limited Availability firmware load, or for loss of profit, business, revenue, or anticipated savings.

Mediatrix products are suited for controlled environments and networks where voice quality is in direct relation to network conditions. Network must have reasonably low delay, low packet loss rate and low network jitter. Media5 does not guarantee voice quality where network norms do not meet the conditions enumerated above, whether in public or private networks.

GA Load:

A 'General Availability' (GA) load has undergone intensive testing and validation. Most known issues identified during the testing and validation stages have been fixed, while the remaining restrictions are known and documented. The use made of Mediatrix products with a GA load must conform to product specifications and within the limits of reasonable environmental and network conditions.

Media5 shall not be liable for any loss or damage whatsoever caused directly or indirectly in connection with Mediatrix products making use of a GA firmware load, except to the extent to which it is unlawful to exclude such liability under the applicable law.

Moreover, Media5 excludes liability for any indirect, special, incidental or consequential loss or damage, which may arise in respect of Mediatrix products using a GA firmware load, or for loss of profit, business, revenue, or anticipated savings.

Mediatrix products are suited for controlled environments and networks where voice quality is in direct relation to network conditions. Network must have reasonably low delay, low packet loss rate and low network jitter. Media5 does not guarantee voice quality where network norms do not meet the conditions enumerated above, whether in public or private networks.

8. Upgrading Your Application

The released package contains a zip file with the Firmware Update Pack (FPU) files needed to update the software in your units. You can update the software by using the unit's web interface or by accessing its SNMP parameters. Refer to your unit's *Software Configuration Guide* for a step-by-step procedure on how to perform a Firmware Pack Update.

9. Version 2.0r29.531

This release applies to the following products:

See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	GA
☒ Mediatrix 3308/3316	GA
☒ Mediatrix 3404/3408	GA
☒ Mediatrix 3531/3532	GA
☒ Mediatrix 3621/3631/3632	GA
☒ Mediatrix 3716	GA
☒ Mediatrix 3731/3741	GA
☒ Mediatrix 3732	GA
☒ Mediatrix 3734	GA
☒ Mediatrix 3800/3801/3802/3803/3804	GA
☒ Mediatrix 4102S	GA
☒ Mediatrix 4104	GA
☒ Mediatrix 4108/4116/4124	GA
☒ Mediatrix 4401/4402/4404	GA
☒ Mediatrix LP16/LP24	GA
☒ Mediatrix C710/C711	GA
☒ Mediatrix C730/C733	GA
☒ Mediatrix C731	GA

9.1 Modified Features & Functionalities

None

9.2 New Functionality

None

9.3 Interface Modifications

None

9.4 Issues Fixed

Incident #	CR #	Description
----	36910	After upgrade, the "UserNameCriteria" does not contain the same value as "username" if "ApplyTo" was set to "Username". Fix: Modified the relevant package to fix the problem.

10. Version 2.0r29.527

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	GA
☒ Mediatrix 3308/3316	GA
☒ Mediatrix 3404/3408	GA
☒ Mediatrix 3531/3532	GA
☒ Mediatrix 3621/3631/3632	GA
☒ Mediatrix 3716	GA
☒ Mediatrix 3731/3741	GA
☒ Mediatrix 3732	GA
☒ Mediatrix 3734	GA
☒ Mediatrix 3800/3801/3802/3803/3804	GA
☒ Mediatrix 4102S	GA
☒ Mediatrix 4104	GA
☒ Mediatrix 4108/4116/4124	GA
☒ Mediatrix 4401/4402/4404	GA
☒ Mediatrix LP16/LP24	GA
☒ Mediatrix C710/C711	GA
☒ Mediatrix C730/C733	GA
☒ Mediatrix C731	GA

10.1 Modified Features & Functionalities

- HTTPS download now supports mutual authentication.

10.2 New Functionality

- Added TLS mutual authentication for Conf, Fpu, Cert and File services and the management of permanent certificates.

10.3 Interface Modifications

- Added host certificate association for Conf, Fpu, Cert and File services
 - Cert.HostCertificateAssociation.Conf
 - Cert.HostCertificateAssociation.Fpu
 - Cert.HostCertificateAssociation.Cert
 - Cert.HostCertificateAssociation.File

10.4 Issues Fixed

Incident #	CR #	Description
----	35696	Support for Option 66 (TFTP Server) and (URL) Fix: Added support of (TFTP Server), (URL) and autodetect format for DHCP Option 66 and 67.
10177	35735	Call dropped when transferred to conference server

Incident #	CR #	Description
		Fix: Wait the last REFER response before terminating the call.
----	35903	TLS mutual authentication fails on HTTPS script file transfer Fix: Added host certificate association for Conf, Fpu, Cert and File services . TLS mutual authentication is now supported by HTTPS download.
----	35913	2XX responses to Notify and Options are missing the Accept-Language header Fix: Added Accept Language header for Notify and Option responses.
----	35975	Endpoint registration status table do not resize when gateway information change Fix: Removed the old gateway registration entry when an user agent gateway is changed.

11. Version 2.0r29.515

This release applies to the following products:

See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-release
☒ Mediatrix 3308/3316	Pre-release
☒ Mediatrix 3404/3408	Pre-release
☒ Mediatrix 3531/3532	Pre-release
☒ Mediatrix 3621/3631/3632	Pre-release
☒ Mediatrix 3716	Pre-release
☒ Mediatrix 3731/3741	Pre-release
☒ Mediatrix 3732	Pre-release
☒ Mediatrix 3734	Pre-release
☒ Mediatrix 3800/3801/3802/3803/3804	Pre-release
☒ Mediatrix 4102S	Pre-release
☒ Mediatrix 4104	Pre-release
☒ Mediatrix 4108/4116/4124	Pre-release
☒ Mediatrix 4401/4402/4404	Pre-release
☒ Mediatrix LP16/LP24	Pre-release
☒ Mediatrix C710/C711	Pre-release
☒ Mediatrix C730/C733	Pre-release
☒ Mediatrix C731	Pre-release

11.1 Modified Features & Functionalities

- New cipher suites options available.

11.2 New Functionality

None

11.3 Interface Modifications

None

11.4 Issues Fixed

Incident #	CR #	Description
9333	35598	Support for SHA-256 for certificate signing Fix: Created CS3 cipher suites in the Cert, Conf, Cwmp, File, Fpu, SipEp and Web

Incident #	CR #	Description
		services.
10092	35685	When in SRTP, unit offers disabled and unsupported codecs in SDP on 200 Ok Fix: Removed unsupported codecs and replies with common supported codecs.

12. Version 2.0r29.511

This release applies to the following products:

See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-release
☒ Mediatrix 3308/3316	Pre-release
☒ Mediatrix 3404/3408	Pre-release
☒ Mediatrix 3531/3532	Pre-release
☒ Mediatrix 3621/3631/3632	Pre-release
☒ Mediatrix 3716	Pre-release
☒ Mediatrix 3731/3741	Pre-release
☒ Mediatrix 3732	Pre-release
☒ Mediatrix 3734	Pre-release
☒ Mediatrix 3800/3801/3802/3803/3804	Pre-release
☒ Mediatrix 4102S	Pre-release
☒ Mediatrix 4104	Pre-release
☒ Mediatrix 4108/4116/4124	Pre-release
☒ Mediatrix 4401/4402/4404	Pre-release
☒ Mediatrix LP16/LP24	Pre-release
☒ Mediatrix C710/C711	Pre-release
☒ Mediatrix C730/C733	Pre-release
☒ Mediatrix C731	Pre-release

12.1 Modified Features & Functionalities

None

12.2 New Functionality

None

12.3 Interface Modifications

None

12.4 Issues Fixed

Incident #	CR #	Description
10177	35837	C7 Series: Telf service does not start in C7 after loading Dgw2.0.129.507 Fix: Modified the relevant package to fix the problem.

12.4.1 Issues Fixed – Models with ISDN Interfaces

Incident #	CR #	Description
----	35856	R2- Impossible to reset default timer values.

Incident #	CR #	Description
		Fix: Modified the relevant package to fix the problem.

13. Version 2.0r29.510

This release applies to the following products:

See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-release
☒ Mediatrix 3308/3316	Pre-release
☒ Mediatrix 3404/3408	Pre-release
☒ Mediatrix 3531/3532	Pre-release
☒ Mediatrix 3621/3631/3632	Pre-release
☒ Mediatrix 3716	Pre-release
☒ Mediatrix 3731/3741	Pre-release
☒ Mediatrix 3732	Pre-release
☒ Mediatrix 3734	Pre-release
☒ Mediatrix 3800/3801/3802/3803/3804	Pre-release
☒ Mediatrix 4102S	Pre-release
☒ Mediatrix 4104	Pre-release
☒ Mediatrix 4108/4116/4124	Pre-release
☒ Mediatrix 4401/4402/4404	Pre-release
☒ Mediatrix LP16/LP24	Pre-release
☒ Mediatrix C710/C711	Pre-release
☒ Mediatrix C730/C733	Pre-release
☒ Mediatrix C731	Pre-release

13.1 Modified Features & Functionalities

- The Authentication function now uses *UsernameCriteria* to apply criteria selection and the *Username* for the authentication parameters.

13.2 New Functionality

None

13.3 Interface Modifications

- Added new columnar *SipEp.Authentication.UsernameCriteria* and renamed *SipEp.Authentication.ApplyTo* by *SipEp.Authentication.CriteriaSelection*
- Web page: Updated *Sip/Authentication* to add *UsernameCriteria* and renamed *ApplyTo* by *Criteria*.

13.4 Issues Fixed

Incident #	CR #	Description
----	35839	SIP accounts with different SIP Username (public ID) and Authentication Username (private ID) Fix: Added new columnar <i>UsernameCriteria</i> (as public ID) in <i>SipEp.Authentication</i>, this will be used as criteria when the <i>Authentication.CriteriaSelection</i> is set to user. The <i>Authentication.Username</i> can be used as private ID for SIP authentication.

14. Version 2.0r29.508

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Engineering
☒ Mediatrix 3308/3316	Engineering
☒ Mediatrix 3404/3408	Engineering
☒ Mediatrix 3531/3532	Engineering
☒ Mediatrix 3621/3631/3632	Engineering
☒ Mediatrix 3716	Engineering
☒ Mediatrix 3731/3741	Engineering
☒ Mediatrix 3732	Engineering
☒ Mediatrix 3734	Engineering
☒ Mediatrix 3800/3801/3802/3803/3804	Engineering
☒ Mediatrix 4102S	Engineering
☒ Mediatrix 4104	Engineering
☒ Mediatrix 4108/4116/4124	Engineering
☒ Mediatrix 4401/4402/4404	Engineering
☒ Mediatrix LP16/LP24	Engineering
☒ Mediatrix C710/C711	Engineering
☒ Mediatrix C730/C733	Engineering
☒ Mediatrix C731	Engineering

14.1 Modified Features & Functionalities

None

14.2 New Functionality

None

14.3 Interface Modifications

None

14.4 Issues Fixed

14.4.1 Issues Fixed – Models with ISDN Interfaces

Incident #	CR #	Description
----	35802	Behavior of Outgoing R2 release states is no longer compliant. Fix: Modified the relevant package to the correct behavior.

15. Version 2.0r29.506

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Engineering
☒ Mediatrix 3308/3316	Engineering
☒ Mediatrix 3404/3408	Engineering
☒ Mediatrix 3531/3532	Engineering
☒ Mediatrix 3621/3631/3632	Engineering
☒ Mediatrix 3716	Engineering
☒ Mediatrix 3731/3741	Engineering
☒ Mediatrix 3732	Engineering

	☒ Mediatrix 3734 ☒ Mediatrix 3800/3801/3802/3803/3804 ☒ Mediatrix 4102S ☒ Mediatrix 4104 ☒ Mediatrix 4108/4116/4124 ☒ Mediatrix 4401/4402/4404 ☒ Mediatrix LP16/LP24 ☒ Mediatrix C710/C711 ☒ Mediatrix C730/C733 ☒ Mediatrix C731	Engineering Engineering Engineering Engineering Engineering Engineering Engineering Engineering Engineering
--	--	---

15.1 Modified Features & Functionalities

- New CS3 Cipher suites available.
- Distinctive rings are now customizable.

15.2 New Functionality

- New method to process Decline within R2 incoming-end.
- A special feature for emergency call was added to prevent a disconnect from FXS side.
- Added the support of Accept-Language header in all SIP request and 200Ok response.
- Distinctive call waiting tone support.

15.3 Interface Modifications

- *EpServ.DefaultEmergencyCallOverride* was moved to *Pots.FxsEmergencyCallOverride*
- New mib tables *Pots.FxsDistinctiveRing* and *Tellf.DistinctiveCallWaitingTone*

15.4 Issues Fixed

Incident #	CR #	Description
----	34809	FED Tones for Italy1 and CzechRepublic1 is a cadence tone but documentation always shows 8 secs on for the Tone. ○ Fix: Modified documentation.
9333	35598	Support for SHA-256 for certificate signing ○ Fix: Created CS3 cipher suites in the Cert, Conf, Cwmp, File, Fpu, SipEp and Web services.
----	35709	Emergency Call ○ Fix: Added a special feature for emergency call to prevent a disconnect from FXS side.
----	35741	Support SIP Language Preference ○ Fix: Added support of Accept-Language header in all SIP requests and 200Ok responses.
----	35760	Distinctive Ring ○ Fix: Added customizable distinctive ring support and call waiting tone support.
----	35774	New custom profile ○ Integrate customer modifications to their profile

15.4.1 Issues Fixed – Models with ISDN Interfaces

Incident #	CR #	Description
8864	35116	Sending R2 1001 Idle when in WAIT FOR ANSWER state triggers timeslot blocking. ○ Fix: Added a Clear-back signaling when SIP decline is received while in Seizure.

Incident #	CR #	Description
		acknowledge R2 incoming state.

16. Version 2.0r28.504

This release applies to the following products:

See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	GA
☒ Mediatrix 3308/3316	GA
☒ Mediatrix 3404/3408	GA
☒ Mediatrix 3531/3532	GA
☒ Mediatrix 3621/3631/3632	GA
☒ Mediatrix 3716	GA
☒ Mediatrix 3731/3741	GA
☒ Mediatrix 3732	GA
☒ Mediatrix 3734	GA
☒ Mediatrix 3800/3801/3802/3803/3804	GA
☒ Mediatrix 4102S	GA
☒ Mediatrix 4104	GA
☒ Mediatrix 4108/4116/4124	GA
☒ Mediatrix 4401/4402/4404	GA
☒ Mediatrix LP16/LP24	GA
☒ Mediatrix C710/C711	GA
☒ Mediatrix C730/C733	GA
☒ Mediatrix C731	GA

16.1 Modified Features & Functionalities

- The *Device.Time.CurrentLocalTime* represents the UTC time of the device.

16.2 New Functionality

None

16.3 Interface Modifications

None

16.4 Issues Fixed

Incident #	CR #	Description
----	34711	Timezone calculation for the time sent to ACS is incorrect ○ Fix: The time sent to the ACS is now in UTC format.
9429	35673	SNTP Synchronization Period On Error timer does not work ○ Fix: The synchronizer will retry to update the time when the network comes back up.

17. Version 2.0r28.499

This release applies to the following products:

See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-Release
☒ Mediatrix 3308/3316	Pre-Release
☒ Mediatrix 3404/3408	Pre-Release

☒ Mediatrix 3531/3532	Pre-Release
☒ Mediatrix 3621/3631/3632	Pre-Release
☒ Mediatrix 3716	Pre-Release
☒ Mediatrix 3731/3741	Pre-Release
☒ Mediatrix 3732	Pre-Release
☒ Mediatrix 3734	Pre-Release
☒ Mediatrix 3800/3801/3802/3803/3804	Pre-Release
☒ Mediatrix 4102S	Pre-Release
☒ Mediatrix 4104	Pre-Release
☒ Mediatrix 4108/4116/4124	Pre-Release
☒ Mediatrix 4401/4402/4404	Pre-Release
☒ Mediatrix LP16/LP24	Pre-Release
☒ Mediatrix C710/C711	Pre-Release
☒ Mediatrix C730/C733	Pre-Release
☒ Mediatrix C731	Pre-Release

17.1 Modified Features & Functionalities

None

17.2 New Functionality

- It is now possible to add ISDN Date/Time IE to the CONNECT and SETUP messages in NET3 (EURO-ISDN BRI) and NET5 (EURO-ISDN PRI).

17.3 Interface Modifications

- Added the variable SignalingChannelGroup/SignalingChannel/ DateTimeSupport
- Added Date and Time Ie Support in ISDN/Services web page

17.4 Issues Fixed

Incident #	CR #	Description
8880	34939	After loading a config script, the telif service fails to start and access to the unit is lost ○ Fix: Modified the relevant package to fix the problem.
9310	35339	DTMF sent twice to pstn. ○ Fix: Modified the relevant package to fix the problem
----	35385	DHCP Option 43 does not work if the length is not specified ○ Fix: Permit some invalid formats in the DHCP vendor options.
10024	35310	AoC sends decimal units but they are presented without a decimal point resulting in conversion to large numbers ○ Fix: If a decimal point is present, a round-up value is computed for the ISDN message.
9389	35476	SNMP getwalk returns an error response ○ Fix: Modified the SNMP component so it will correctly renumber the OID when a MIB entry is requested.
9405	34762	Unable to restore configuration ○ Fix: Removed some MIB elements which are not required to be persistent from the backup files and during the upgrading/downgrading process.
9384	35467	One way speech path after Mediatrix accepts ISAC codec in Invite ○ Fix: Remove payload type validation when the codec name is not supported.

17.4.1 Issues Fixed – Models with ISDN Interfaces

Incident #	CR #	Description
	35344	Date/Time IE is not sent over ISDN BRI and PRI. Time displayed on the phone is not updated to the current time. Fix: Added required support to send Date/Time IE. Added a variable to enable the Date/Time which is accessible in web page ISDN/Services. The Date/Time IE is sent, containing the local time or UTC according to the configured time zone.
9392	35497	After upgrading to v2.0.25.425, inbound ISDN calls to phones at PBX are disconnected with cause 96 (Mandatory information element is missing) Fix: Using specific interop configurations, the ISDN PROGRESS messages will no longer be sent if the IE Progress Indicator was already sent.

17.4.2 Issues Fixed – Models with PRI Interfaces

Incident #	CR #	Description
9339	35373	Unit restarts under a heavy load of calls when changing the Call Router configuration. Fix: Modified the relevant package to fix the problem.

18. Version 2.0r27.491

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-Release
☒ Mediatrix 3308/3316	Pre-Release
☒ Mediatrix 3404/3408	Pre-Release
☒ Mediatrix 3531/3532	Pre-Release
☒ Mediatrix 3621/3631/3632	Pre-Release
☒ Mediatrix 3716	Pre-Release
☒ Mediatrix 3731/3741	Pre-Release
☒ Mediatrix 3732	Pre-Release
☒ Mediatrix 3734	Pre-Release
☒ Mediatrix 3800/3801/3802/3803/3804	Pre-Release
☒ Mediatrix 4102S	Pre-Release
☒ Mediatrix 4104	Pre-Release
☒ Mediatrix 4108/4116/4124	Pre-Release
☒ Mediatrix 4401/4402/4404	Pre-Release
☒ Mediatrix LP16/LP24	Pre-Release
☒ Mediatrix C710/C711	Pre-Release
☒ Mediatrix C730/C733	Pre-Release
☒ Mediatrix C731	Pre-Release

18.1 Modified Features & Functionalities

None

18.2 New Functionality

None

18.3 Interface Modifications

None

18.4 Issues Fixed

Incident #	CR #	Description
9319	34923	TR-069 - Communication between ACS and Mediatrix 41xx fails Fix: The CPE now handles correctly incoming ACS commands with "Connection: close" in http header.
	35438	Unit crashes when trying to activate cwmpp service (ACS static URL) Fix: Modified the relevant package to fix the problem.

19. Version 2.0r27.485

This release applies to the following products:

See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	GA
☒ Mediatrix 3308/3316	GA
☒ Mediatrix 3404/3408	GA
☒ Mediatrix 3531/3532	GA
☒ Mediatrix 3621/3631/3632	GA
☒ Mediatrix 3716	GA
☒ Mediatrix 3731/3741	GA
☒ Mediatrix 3732	GA
☒ Mediatrix 3734	GA
☒ Mediatrix 3800/3801/3802/3803/3804	GA
☒ Mediatrix 4102S	GA
☒ Mediatrix 4104	GA
☒ Mediatrix 4108/4116/4124	GA
☒ Mediatrix 4401/4402/4404	GA
☒ Mediatrix LP16/LP24	GA
☒ Mediatrix C710/C711	GA
☒ Mediatrix C730/C733	GA
☒ Mediatrix C731	GA

19.1 Modified Features & Functionalities

None

19.2 New Functionality

- It is now possible to validate or not the ACS certificate.
- New support for Denmark, Netherland, New Zealand, Russia and Sweden

19.3 Interface Modifications

- Added the variable Cwmpp.TransportCertificateValidation.
- Added the variable InteropKeepAliveOptionFormat

19.4 Issues Fixed

Incident #	CR #	Description
9194	34923	Unable to authenticate against ACS in https Fix: Added the TransportCertificateValidation variable to enable this feature.
----	34983	During a long sequence of registration retries, the application is not able to stop during this sequence. Fix: Implement a timeout protection to get out of this long retry sequence when the unit

Incident #	CR #	Description
		has to stop.
9181	35090	ISDN b-channel is not released when both parties hung up at almost the same time. Fix: When receiving a disconnect indication in Awaitreleasing state, send a release request immediately.
9205	35134	Unable to connect to 4102 when bridging and vlan configured Fix: Fix the upgrade/downgrade mechanism.
9232	35178	Gateways do not send an ICMP reply message with the same value in the TOS field as was used in ICMP request message. Fix: When responding to ICMPs, keep the original TOS received.
9242	35189	SIP OPTIONS message must include the from user part. Fix: Added new interop variable to allow the OPTION request sent for the KeepAlive to include the username in the FROM header.
9621	35210	C7 Series: Modem test failures Fix: Tone is now correctly reported by the DSP to the application.
9267	35217	Increase number of characters for digit maps Fix: Increase the number of characters from 0..63 to 0..127.
9277	35233	C7 Series: Fixing the ETH ports speed has no effect (via CLI or SNMP), ETH ports stay in automatic mode. Fix: C7 is now handling ethernet speed/duplex changes correctly
----	35230	New country support Fix: Added support for Denmark, Netherland, New Zealand, Russia and Swenden

20. Version 2.0r27.476

This release applies to the following products:

See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-release
☒ Mediatrix 3308/3316	Pre-release
☒ Mediatrix 3404/3408	Pre-release
☒ Mediatrix 3531/3532	Pre-release
☒ Mediatrix 3621/3631/3632	Pre-release
☒ Mediatrix 3716	Pre-release
☒ Mediatrix 3731/3741	Pre-release
☒ Mediatrix 3732	Pre-release
☒ Mediatrix 3734	Pre-release
☒ Mediatrix 3800/3801/3802/3803/3804	Pre-release
☒ Mediatrix 4102S	Pre-release
☒ Mediatrix 4104	Pre-release
☒ Mediatrix 4108/4116/4124	Pre-release
☒ Mediatrix 4401/4402/4404	Pre-release
☒ Mediatrix LP16/LP24	Pre-release
☒ Mediatrix C710/C711	Pre-release
☒ Mediatrix C730/C733	Pre-release
☒ Mediatrix C731	Pre-release

20.1 Modified Features & Functionalities

- The "Device.Services.VoiceService.1.VoiceProfile.1.Line.{i}.SIP.URI" follows more closely the TR-104 standard.

20.2 New Functionality

- Added support for Mediatrix 3800 Series

- Implemented the Factory Reset CWMP RPC method.
- Version of IEEE 802.1X is configurable. IEEE 802.1X 2001 and 2004 are now supported.
- Added support for RFC3004 (option 77 in DHCP)
- Implemented the support to specify a time range when the automatic script execution will trigger. The exact moment when this happen is randomly chosen inside the specified time range. If the time range contains only a single time, the script execution will happen at that time. If the time range is empty, the time of day will be used as a fallback with its original behaviour.

20.3 Interface Modifications

- Added variable Eth.Ieee8021XVersion.
- Added the variable Conf.ScriptsTransferTimeRange and deprecated the variable Conf.ScriptsTransferTimeOfDay.

20.4 Issues Fixed

Incident #	CR #	Description
9023 – 9191 - 9045	35050	TR-069 Factory Reset command does not trigger a factory reset on the unit. ○ Fix: Implemented the Factory Reset CWMP RPC method
9077	34889	sipEp.userAgent[Ep=xx].ContactDomain does not set Contact IP as expected in 200OK response ○ Fix: Removing old contacts before creating a new one ensures that the contact uses the right IP address.
9087	34904	Unit stops working during T.38 call when T.38 packets bigger than 376 bytes are received ○ Fix: Add the T38FaxMaxDatagram SDP attribute to inform the peer on the maximum T.38 packet size supported.
9023 - 9045	34917	R-069 IOT - MxShutdownRequest command triggers CWMP service restart instead of full unit restart. ○ Fix: Modified the relevant package to fix the problem.
9118	34928	Mediatrix allows to import these 1 rootCA and two Sub CA's for 802.1x authentication, but doesn't send an EAP request. ○ Fix: Add variable to configure version of IEEE 802.1x and modify web page network_interfaces.esp to configure the new variable
9045	35051	TR-069 - When provisioning SIP URI username is not correctly extracted. ○ Fix: Make sure that the parameter follows the TR-104 standard
9189	35085	TR069 Certification - IANA vendor number on DHCP option 125 MUST be 3561 ○ Fix: Set the IANA Enterprise Number for the DSL Forum (3561 in decimal) as per TR11 section 1.2.5
9197	35099	TR-104 Device.Services.VoiceService.1.VoiceProfile.1.Line.{i}.SIP.AuthUserName is empty when read from ACS ○ Fix: Modified the relevant package to fix the problem.
----	35152	ATA must send its model to the gateway using DHCP option 77 ○ Fix: Add support for option 77
9180	35173	More flexible time definition for automatic config file fetching. ○ Fix: Implemented the support to specify a time range when the automatic script execution will trigger.

21. Version 2.0r27.462

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Engineering
☒ Mediatrix 3308/3316	Engineering
☒ Mediatrix 3404/3408	Engineering
☒ Mediatrix 3531/3532	Engineering
☒ Mediatrix 3621/3631/3632	Engineering
☒ Mediatrix 3716	Engineering
☒ Mediatrix 3731/3741	Engineering
☒ Mediatrix 3732	Engineering
☒ Mediatrix 3734	Engineering
☒ Mediatrix 4102S	Engineering
☒ Mediatrix 4104	Engineering
☒ Mediatrix 4108/4116/4124	Engineering
☒ Mediatrix 4401/4402/4404	Engineering
☒ Mediatrix LP16/LP24	Engineering
☒ Mediatrix C710/C711	Engineering
☒ Mediatrix C730/C733	Engineering
☒ Mediatrix C731	Engineering

21.1 Modified Features & Functionalities

- On FXS lines, the command [flash+2] of the Flash & Digit feature will now exit from 3-party conference mode, the 2nd party will remain active and the 3rd party will be put on hold.
- Registration refresh requests received while the Endpoint gateway is waiting for the RegistrationRetry timer now have immediate effect.

21.2 New Functionality

- On FXS lines, a new command [flash+1] was added to the Flash & Digit feature. When executed, this command will exit from 3-party conference mode, the 3rd party will remain active and the 2nd party will be disconnected. Command [flash+1] will end the active call and switch to call on hold/call waiting

21.3 Interface Modifications

- Added new variables Cipher Suite configuration:
 - Cert.TransferHttpsCipherSuite
 - Conf.ScriptsTransferCipherSuite
 - Cwmp.TransportTlsCipherSuite
 - File.TransferHttpsCipherSuite
 - Fpu.MfpTransferCipherSuite
 - Web.HttpsCipherSuite
 - SipEp.TransportTlsCipherSuite

21.4 Issues Fixed

Incident #	CR #	Description
9098	34907	User on the Mediatrix gateway cannot hear and cannot be heard when connected to conference Server when SRTP is used. Fix: Ensure all Crypto of the same type are removed on negotiation result
----	35004	3 Party call with Call waiting using Flash & Digit feature. Fix: Added new command [flash+1] and modified the behaviour of [flash+2] command.

Incident #	CR #	Description
8486 - 9062	35014	Security vulnerabilities: ssl and certificate weaknesses (TLS 1.0) Fix: Added new configuration variable allowing strict cipher suites for HTTPS and TLS
9129	35031	Support DHCP option 66 (Boot server Host Name) and option 67 (Boot File Name) to be a sub-option of DHCP option 43 (Vendor Specific Information) Fix: Added the support of DHCP 43 using sub-options 66 and 67 to DHCP auto-provisioning Scripts.
----	35037	Clicking the "Submit & Refresh" button on web page SIP Registrations had no effect if the Endpoint gateway was waiting for the RegistrationRetry timer. Fix: Bypass the timer and attempt a failover immediately.

22. Version 2.0r27.457

This release applies to the following products:

See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Engineering
☒ Mediatrix 3308/3316	Engineering
☒ Mediatrix 3404/3408	Engineering
☒ Mediatrix 3531/3532	Engineering
☒ Mediatrix 3621/3631/3632	Engineering
☒ Mediatrix 3716	Engineering
☒ Mediatrix 3731/3741	Engineering
☒ Mediatrix 3732	Engineering
☒ Mediatrix 3734	Engineering
☒ Mediatrix 4102S	Engineering
☒ Mediatrix 4104	Engineering
☒ Mediatrix 4108/4116/4124	Engineering
☒ Mediatrix 4401/4402/4404	Engineering
☒ Mediatrix LP16/LP24	Engineering
☒ Mediatrix C710/C711	Engineering
☒ Mediatrix C730/C733	Engineering
☒ Mediatrix C731	Engineering

22.1 Modified Features & Functionalities

- The previous version gateways are now known as Trunk gateways.

22.2 New Functionality

- Using the new variable DefaultSettingsOnInstall, the unit can now automatically execute a factory reset upon completion of a firmware installation.
- A new type of gateway, Endpoint gateway, that is inspired on the IMS practices, can be used when the device is connected to terminal equipments where each endpoint has a separate "SIP connection" to the SIP server. This gateway is used with failover/fallback based on registrations for a single user

22.3 Interface Modifications

- Added new variable DefaultSettingsOnInstall in FPU
- Added new variable gatewayType
- Added new variable DefaultFailoverCondition.
- Rename variables to prevent confusion:
 - TransportTlsPersistentRetryInterval into TransportFailbackInterval
 - TransportTlsPersistentBasePort into TransportPersistentBasePort
 - TransportTlsPersistentRetryInterval into TransportFailbackInterval

- DefaultUserRegistrationUnregisteredBehavior into DefaultUnitRegistrationUnregisteredBehavior
- RegistrationUsers into UnitRegistrations
- Renamed commands RegistrationInsertUser to InsertUnitRegistration

22.4 Issues Fixed

Incident #	CR #	Description
----	34901	Automatic factory-reset after firmware upgrade ○ Fix: Added new variable DefaultSettingsOnInstall in FPU that when enabled will automatically cause a factory reset
----	34954	IMS registration, Server selection and Failover ○ Fix: Implement new type of gateway and failover condition, Endpoint gateway, that is compatible with the IMS practices. The gateways that were in the previous versions are now called Trunk gateways.
----	34999	Rename variables to avoid confusion ○ Fix: Used more meaningful names.

23. Version 2.0r27.454

This release applies to the following products:

See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Engineering
☒ Mediatrix 3308/3316	Engineering
☒ Mediatrix 3404/3408	Engineering
☒ Mediatrix 3531/3532	Engineering
☒ Mediatrix 3621/3631/3632	Engineering
☒ Mediatrix 3716	Engineering
☒ Mediatrix 3731/3741	Engineering
☒ Mediatrix 3732	Engineering
☒ Mediatrix 3734	Engineering
☒ Mediatrix 4102S	Engineering
☒ Mediatrix 4104	Engineering
☒ Mediatrix 4108/4116/4124	Engineering
☒ Mediatrix 4401/4402/4404	Engineering
☒ Mediatrix LP16/LP24	Engineering
☒ Mediatrix C710/C711	Engineering
☒ Mediatrix C730/C733	Engineering
☒ Mediatrix C731	Engineering

23.1 Modified Features & Functionalities

None

23.2 New Functionality

- Using the new variable MacAddressFormat, the MAC address format can now be displayed in lower case or upper case with colon.

23.3 Interface Modifications

- Added new variable MacAddressFormat in Cwmp Interop group

23.4 Issues Fixed

Incident #	CR #	Description
9045	34865	TR-069 - Unit not sending Device.GatewayInfo fields Fix: Modified the relevant package to fix the problem
9045	34866	TR-069 - MAC address format should be 00:90:F8:05:98:DE Fix: Added new variable MacAddressFormat in Cwmp Interop group.
9045	34912	TR-069 - ACS issues a "GET / HTTP/1.1" on the device and receives a "404 Not found" as the answer Fix: A "401 Unauthorized" is now received instead of the "404 Not found"

24. Version 2.0r26.451

This release applies to the following products:

See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	GA
☒ Mediatrix 3308/3316	GA
☒ Mediatrix 3404/3408	GA
☒ Mediatrix 3531/3532	GA
☒ Mediatrix 3621/3631/3632	GA
☒ Mediatrix 3716	GA
☒ Mediatrix 3731/3741	GA
☒ Mediatrix 3732	GA
☒ Mediatrix 3734	GA
☒ Mediatrix 4102S	GA
☒ Mediatrix 4104	GA
☒ Mediatrix 4108/4116/4124	GA
☒ Mediatrix 4401/4402/4404	GA
☒ Mediatrix LP16/LP24	GA
☒ Mediatrix C710/C711	GA
☒ Mediatrix C730/C733	GA
☒ Mediatrix C731	GA

24.1 Modified Features & Functionalities

None

24.2 New Functionality

None

24.3 Interface Modifications

None

24.4 Issues Fixed

Incident #	CR #	Description
9106	34918	DTMF event uses different Synchronization Source Identifier (SSRC) than the RTP Fix: Makes sure that the SSRC are synchronized.
9110	34942	One way speech when incoming mobile caller uses RTP and SRTP Fix: Ensure SSRC does not change during the call.
----	34957	LLDP - VLAN should not be sent with VLAN Tagging on the packet.

Incident #	CR #	Description
		Fix: Send LLDP-MED packets outside any VLAN
----	34958	The variable "snmpUser" influence the behavior of SNMP V3 protocol only when the user name "public" is used. Fix: Limit Snmp variables "SnmpUser" and "Community" usage to SNMP V1 and V2 only.

25. Version 2.0r26.449

This release applies to the following products:

See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-release
☒ Mediatrix 3308/3316	Pre-release
☒ Mediatrix 3404/3408	Pre-release
☒ Mediatrix 3531/3532	Pre-release
☒ Mediatrix 3621/3631/3632	Pre-release
☒ Mediatrix 3716	Pre-release
☒ Mediatrix 3731/3741	Pre-release
☒ Mediatrix 3732	Pre-release
☒ Mediatrix 3734	Pre-release
☒ Mediatrix 4102S	Pre-release
☒ Mediatrix 4104	Pre-release
☒ Mediatrix 4108/4116/4124	Pre-release
☒ Mediatrix 4401/4402/4404	Pre-release
☒ Mediatrix LP16/LP24	Pre-release
☒ Mediatrix C710/C711	Pre-release
☒ Mediatrix C730/C733	Pre-release
☒ Mediatrix C731	Pre-release

25.1 Modified Features & Functionalities

- The default manner that the internal DNS cache selects the records when attempting to reach a resolved FQDN has changed. Before, the internal DNS cache selected randomly the DNS records and this was not configurable. Now, the default behavior is that the records are selected from the DNS cache in the same order as they were received at the resolving process.
- Increase the egress limit maximum value to 40960 kbps
- Removed incomplete support for AOC-E from ISDN interface to SIP.

25.2 New Functionality

- New variable SnmpUser that allows selecting the user that will be used to access the configuration via SNMP v1/v2.
- Added support for AOC-D from SIP to ISDN
- It is now possible to configure a set of pre-resolved FQDN with static IP addresses.
- New time zone field in customer specific web page.

25.3 Interface Modifications

- Added a new table Hoc.StaticHosts.
- Added a new variables:
 - Hoc.DnsCacheRandomization
 - In service SipEp.variable
 - Snmp.snmpUser
 - Isdn.signalingChannelAocDSupport

- Modified web pages:
 - SIP Misc
 - ISDN Services

25.4 Issues Fixed

Incident #	CR #	Description
8899	34597	Mediatrix accepts LLDP-Med and 802.1x only when an IP address is already configured. ○ Fix: Makes the LLDP interface work correctly with and without an IP address.
----	34780	Configurable pre-resolved FQDN ○ Fix: Added a new table Hoc.StaticHosts allowing to configure a list of static IP addresses resolving a FQDN.
----	34804	staticSntpServerHost default value is not correct after upgrade. ○ Fix: After a factory reset, apply the correct profile value staticSntpServerHost.
9001 - 9006	34807	Lost SNMP access when upgrading from V2.0.10.185 to SW V2.0.24.402 with different community name if public is removed ○ Fix: Added the SnmpUser variable to provide the user name to be used for SNMP v1/v2 access.
9016	34818	Gateway registers only once to the IMS and not again ○ Fix: Added a new variable Hoc.DnsCacheRandomization allowing to configure the behaviour of the DNS cache. Now the records are selected from the DNS cache in the same order as they were received at the resolving process.
----	34821	Pulldown menu on customer webpage to set TimeZone ○ Fix: Added new time zone field in customer specific web page.
----	34826	When the user priority is overridden on the network interface managed by LLDP, it is also set on all other network interfaces. ○ Fix: Fix invalid 802.1q priority tagging
----	34894	Network Traffic Control settings not working after the service is restarted ○ Fix: Modified the relevant package to fix the problem.

25.4.1 Issues Fixed – Models with FXS Interfaces

Incident #	CR #	Description
9015	34812	C7 Series - Custom dialtone with 2 frequencies are not generated correctly on C7 FXS ○ Fix: Modified the relevant package to fix the problem.
9026	34824	FXS gateway does not send any INFO message when we press a dtmf - after 183 with SDP ○ Fix: Fix sending of DTMF through SIP INFO before the call is connected
----	34867	C7 Series - G729 change to G711 during a call on C7 FXS ○ Fix: Modified the relevant package to fix the problem.

25.4.2 Issues Fixed – Models with ISDN Interfaces

Incident #	CR #	Description
8947	34701	SIP DTMF to a special number are not played on the ISDN ○ Fix: Allow DTMF handling during Overlap dialing state
----	34756	Maximum egress bandwidth is not enough for 3632 units. ○ Fix: Increased the egress limit maximum value to 40960 kbps.
----	34903 - 34814	AoC-D/E (advice of charge during the call) ○ Fix: Added support for AOC-D from SIP to ISDN interface.

26. Version 2.0r25.425

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	GA
☒ Mediatrix 3308/3316	GA
☒ Mediatrix 3404/3408	GA
☒ Mediatrix 3531/3532	GA
☒ Mediatrix 3621/3631/3632	GA
☒ Mediatrix 3716	GA
☒ Mediatrix 3731/3741	GA
☒ Mediatrix 3732	GA
☒ Mediatrix 3734	GA
☒ Mediatrix 4102S	GA
☒ Mediatrix 4104	GA
☒ Mediatrix 4108/4116/4124	GA
☒ Mediatrix 4401/4402/4404	GA
☒ Mediatrix LP16/LP24	GA
☒ Mediatrix C710/C711	GA
☒ Mediatrix C730/C733	GA
☒ Mediatrix C731	GA

26.1 Modified Features & Functionalities

None

26.2 New Functionality

None

26.3 Interface Modifications

None

26.4 Issues Fixed

Incident #	CR #	Description
9022	34819	C7 Series: Not accepting network IP address of subnet mask longer than 25 bits for certain IP address range Fix: Corrected the validation function

27. Version 2.0r25.420

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-release
☒ Mediatrix 3308/3316	Pre-release
☒ Mediatrix 3404/3408	Pre-release
☒ Mediatrix 3531/3532	Pre-release
☒ Mediatrix 3621/3631/3632	Pre-release
☒ Mediatrix 3716	Pre-release
☒ Mediatrix 3731/3741	Pre-release
☒ Mediatrix 3732	Pre-release
☒ Mediatrix 3734	Pre-release
☒ Mediatrix 4102S	Pre-release
☒ Mediatrix 4104	Pre-release
☒ Mediatrix 4108/4116/4124	Pre-release
☒ Mediatrix 4401/4402/4404	Pre-release
☒ Mediatrix LP16/LP24	Pre-release
☒ Mediatrix C710/C711	Pre-release
☒ Mediatrix C730/C733	Pre-release
☒ Mediatrix C731	Pre-release

27.1 Modified Features & Functionalities

- If more than 500 notifications are pending to be sent via SIP, the oldest ones will be dropped.

27.2 New Functionality

- Added the NlmLocalLogLogEnable variable to enable/disable access to the local log table from CWMP protocol.

27.3 Interface Modifications

None

27.4 Issues Fixed

Incident #	CR #	Description
8925 - 8965 8960	34635	Mediatrix not registering to third party sever when DNS is running on the same server ○ Fix: Corrected the handling of DNS packet that were larger than 512 bytes.
----	34760	The queue for notifications to be sent via SIP is not limited and could consume all the available memory. ○ Fix: Limit the queue to 500 pending notifications.
----	34791	We need to be able to disable the access to the local log table from the ACS ○ Fix: Added the NlmLocalLogLogEnable variable in the Cwmp service to enable or disable the access to the local log table from the ACS.

27.4.1 Issues Fixed – Models with FXO Interfaces

Incident #	CR #	Description
----	34578	FXO Far end disconnect Tone for CzechRepublic1 and Italy1 may not be detected ○ Fix: Modified the relevant package to fix the problem.

28. Version 2.0r25.411

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-release
☒ Mediatrix 3308/3316	Pre-release
☒ Mediatrix 3404/3408	Pre-release
☒ Mediatrix 3531/3532	Pre-release
☒ Mediatrix 3621/3631/3632	Pre-release
☒ Mediatrix 3716	Pre-release
☒ Mediatrix 3731/3741	Pre-release
☒ Mediatrix 3732	Pre-release
☒ Mediatrix 3734	Pre-release
☒ Mediatrix 4102S	Pre-release
☒ Mediatrix 4104	Pre-release
☒ Mediatrix 4108/4116/4124	Pre-release
☒ Mediatrix 4401/4402/4404	Pre-release
☒ Mediatrix LP16/LP24	Pre-release
☒ Mediatrix C710/C711	Pre-release
☒ Mediatrix C730/C733	Pre-release
☒ Mediatrix C731	Pre-release

28.1 Modified Features & Functionalities

None

28.2 New Functionality

- FXO ports now support Germany2, UAE2 and UAE3 country settings:
- Added Australia1, Australia2 and Japan country settings

28.3 Interface Modifications

None

28.4 Issues Fixed

Incident #	CR #	Description
8920	34653	C7 Series: Unit reboots frequently Fix: Corrected the handling of the ICMP messages that comes back from the servers.
----	34661	Australia country setting is not supported Fix: Added Australia1 and Australia2 country
----	34694	Needs support for Japan2 country settings Fix: Added Japan2 country settings

28.4.1 Issues Fixed – Models with FXO Interfaces

Incident #	CR #	Description
8888	34578	Dial Tone Detection Mode has been set as “disable”, but still seems enable in the syslog trace Fix: Added support for FXO ports in Germany2
----	34651	FXO is not supported in UAE2 and UAE3 country settings

Incident #	CR #	Description
		Fix: Add support for FXO in UAE2 and UAE3 country settings.

29. Version 2.0r25.408

This release applies to the following products:

See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-release
☒ Mediatrix 3308/3316	Pre-release
☒ Mediatrix 3404/3408	Pre-release
☒ Mediatrix 3531/3532	Pre-release
☒ Mediatrix 3621/3631/3632	Pre-release
☒ Mediatrix 3716	Pre-release
☒ Mediatrix 3731/3741	Pre-release
☒ Mediatrix 3732	Pre-release
☒ Mediatrix 3734	Pre-release
☒ Mediatrix 4102S	Pre-release
☒ Mediatrix 4104	Pre-release
☒ Mediatrix 4108/4116/4124	Pre-release
☒ Mediatrix 4401/4402/4404	Pre-release
☒ Mediatrix LP16/LP24	Pre-release
☒ Mediatrix C710/C711	Pre-release
☒ Mediatrix C730/C733	Pre-release
☒ Mediatrix C731	Pre-release

29.1 Modified Features & Functionalities

- Added more powerful criteria syntax in Nlm.Events.Criteria
- In fallback, the Mediatrix unit will try to reach the secondary server only when the call is torn down
- Added ACS status on Web page.
- Cli service now validates the user's access rights.
- Cwmp service now performs the requests under the batch user's access rights.
- When receiving a 415 SIP error message on SIP T.38 re-INVITE, the call will no longer be automatically dropped, it will behave as per the configuration in the BehaviorOnT38InviteNotAccepted table

29.2 New Functionality

- Added new Local log.
- Added new communication statistics: Mipt.StatisticsGroup.ChannelStatistics and EpServ.StatisticsGroup.CallStatistics.
- When dialing *#*8 on a connected FXS handset, the "voice information" process will return the firmware version of the unit.
- A new hidden variable HiddenDefaultDateConfig has been introduced to enable the user to set a default date to the system.
- Added a Penalty box policy based on registration. This is only configurable by profile.
- The registration retry time is now configurable
- Added new variables accessible to the ACS:
 - Services.VoiceService.{1}.Voiceprofile.{1}.SIP.ConferenceCallURI
 - Services.VoiceService.{1}.Voiceprofile{1}.Line.{i}.Enable
 - Services.VoiceService.{1}.Voiceprofile{1}.Line.{i}.Status
 - Services.VoiceService.{1}.Voiceprofile{1}.Line.{i}.Stats.
 - Services.X_0090F8_EpServ.Call.DtmfMap.Allowed.{i}.

- Services.X_0090F8_EpServ.Call.DtmfMap.Refuse.{i}.
- Services.X_0090F8_SipEp.Registration.Status.{i}.
- Services.X_0090F8_Nlm.Events.{i}.
- Services.X_0090F8_Nlm.LocalLog.MaxNbEntries
- Services.X_0090F8_Nlm.LocalLog.NbEntries
- Services.X_0090F8_Nlm.LocalLog.NbErrorEntries
- Services.X_0090F8_Nlm.LocalLog.NbCriticalEntries
- Services.X_0090F8_Nlm.LocalLog.ResetLog
- Services.X_0090F8_Nlm.LocalLog.Log.{i}.
- Added Stun status.
- New "Sign out" link at the top of web pages is now available on certain profiles
- The syslog messages format is not configurable.

29.3 Interface Modifications

- Added new variables for services Nlm, Mipt, EpServ.
- New web page System/Local Log
- Modified web page System/Events
- Added SipEp.DefaultRegistrationRetryTime and SipEp.GwSpecificRegistration.RetryTime.
- Add a new variable BlindTransferMethod to replace and deprecated the variable InteropWaitConfirmedDialogForBlindTransfer
- Added new variable InteropEscapeFormat
- Modified web page Sip/interop and Sip/ misc
- Added index parameter in the Nlm.InsertEvent command.

29.4 Issues Fixed

Incident #	CR #	Description
---	34107	Support of second static NTP host entry. ○ Fix: Added 4 possible NTP servers.
---	34121	Get firmware version from an FXS handset. ○ Fix: Added support to get firmware version from a FXS handset of the unit.
---	34148	Allow TR-069 to connect even if NTP fails. ○ Fix: Added a hidden variable which enables the customer to preset a default date in the case the time server cannot be reached. Once the time server has been contacted, the default time is ignored.
---	34200	Bind the failover to the registration state. ○ Fix: Added a penalty box policy based on registration. In this policy, only registration targets are put in the penalty box (hardcoded to 10 minutes) when unreachable or a 5xx response is received. Requests other than REGISTER are sent only to targets that respond a non-5xx response to a REGISTER.
8659	34237	Registration rejected with 404 not found - Need to add port to host address in VIA line ○ Fix: Add a new variable BlindTransferMethod to replace and set to deprecated the variable InteropWaitConfirmedDialogForBlindTransfer. This variable allows to configure 3 blind transfer behaviors. Added also a new variable InteropEscapeFormat to control the format of the escape characters.
---	34257	For the codecs G.711 ulaw, G.711 alaw, G.729 and G.726 the default Minimum Packetization Time is 30ms, however on the documentation and UME it is marked as 20ms ○ Fix: Document the default minimum packetization time for codecs G.711 ulaw, G.711 alaw, G.729 and G.726 to be 30ms.
---	34266	Prevent fallback when a call is in progress ○ Fix: Now when a call is in progress, the secondary server will not be

Incident #	CR #	Description
		attempted.
----	34419 34563	Zero-touch provisioning and activation Fix: A local log was created, to log messages that can also be sent through Syslog. New statistics are now available through tables belonging to Mipt and EpServ services. Added new configuration and monitoring variables accessible to the ACS
8816	34457	Conference issue with 3 rd party conference server. Fix: Correctly formatted Sip Contact information in order to have the complete refer-to information in the SIP REFER message
8834	34476	4102 wants to respond with 415 unsupported media type but sends a 100 trying Fix: The Mediatix now uses the correct Sip Service pointer when doing reinvites.
8846	34506	Registration of port will not try the 10th authentication Fix: Remove limitation of 10 retry. The Mediatix will now try the entire list of authentication before stopping.
8858	34529	Behavior on T.38 INVITE Not Accepted does not include SIP error 415 Fix: Allow handling of 415 on T.38 reinvite by adding 415 in BehaviorOnT38InviteNotAccepted table.
----	34554	The "All" criteria action was changed after executing a script file. Fix: Added explicit index values in the configuration scripts to force the added table entries to be placed in the expected lines.
----	34581	Add ACS and STUN status to web page. Fix: Added ACS and STUN status on web pages.
----	34596	Custom profile - End user web page and sign out link to custom profile Fix: Add end user web pages and "Sign out" link on top of web page
----	34608	Need to provide limited access to configuration and status variables to the end user or a local administrator. Fix : Add some customization variables that allows setting the access rights in a customer profile
----	34631	Syslog message format customization. Fix: Syslog messages format is now configurable

29.4.1 Issues Fixed – Models with FXS Interfaces

Incident #	CR #	Description
---	31336	Mediatix 4102S: Configuration script export fails with syslog error 20 –Not enough space to store file. Fix: Removed internal user space validation on file download directly from web browser since this limitation does not apply.

30. Version 2.0r24.402

This release applies to the following products:

See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	GA
☒ Mediatrix 3308/3316	GA
☒ Mediatrix 3404/3408	GA
☒ Mediatrix 3531/3532	GA
☒ Mediatrix 3621/3631/3632	GA
☒ Mediatrix 3716	GA
☒ Mediatrix 3731/3741	GA
☒ Mediatrix 3732	GA
☒ Mediatrix 3734	GA
☒ Mediatrix 4102S	GA
☒ Mediatrix 4104	GA
☒ Mediatrix 4108/4116/4124	GA
☒ Mediatrix 4401/4402/4404	GA
☒ Mediatrix LP16/LP24	GA
☒ Mediatrix C710/C711	GA
☒ Mediatrix C730/C733	GA
☒ Mediatrix C731	GA

30.1 Modified Features & Functionalities

None

30.2 New Functionality

- Added support to use the SIP call Privacy header in route properties criteria and in mapping properties criteria to allow user to map ISDN call properties based on this header.

30.3 Interface Modifications

- Added new "Calling SIP Privacy" criteria in the Route and Mapping Type criteria of the call router .

30.4 Issues Fixed

Incident #	CR #	Description
---	34100	Mediatrix 4102s : Limit user memory to 64KB Fix:The user memory is now limited to 64KB. If more than 64KB is used with internal files, the software upgrade to this release and any later release will fail until internal files are removed.
8745	34364	Mediatrix ignores the Privacy: Id headers to block callerid display Fix: Added the "Calling SIP Privacy" criteria in the Route and Mapping Type criteria of the call router to allow the administrator to control the calling ID based on the Privacy header.
---	34484	CLI session is still in progress when this session has been idle beyond the period of the "InactivityTimeout". Fix: The CLI session is now closed normally after the maximum inactivity period.

31. Version 2.0r24.395

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-Release
☒ Mediatrix 3308/3316	Pre-Release
☒ Mediatrix 3404/3408	Pre-Release
☒ Mediatrix 3531/3532	Pre-Release
☒ Mediatrix 3621/3631/3632	Pre-Release
☒ Mediatrix 3716	Pre-Release
☒ Mediatrix 3731/3741	Pre-Release
☒ Mediatrix 3732	Pre-Release
☒ Mediatrix 3734	Pre-Release
☒ Mediatrix 4102S	Pre-Release
☒ Mediatrix 4104	Pre-Release
☒ Mediatrix 4108/4116/4124	Pre-Release
☒ Mediatrix 4401/4402/4404	Pre-Release
☒ Mediatrix LP16/LP24	Pre-Release
☒ Mediatrix C710/C711	Beta
☒ Mediatrix C730/C733	Beta
☒ Mediatrix C731	Beta

31.1 Modified Features & Functionalities

None

31.2 New Functionality

None

31.3 Interface Modifications

None

31.4 Issues Fixed

Incident #	CR #	Description
8488	33951	Unit issues when IPv6 DNS AAAA lookup which an IPv4 DNS server does not know how to handle properly Fix: When doing DNS request, the unit will now automatically verify for IPv6 presence. If no IPv6 address is found, the unit will only do IPv4 DNS requests (DNS A). If IPv6 addresses are present, the unit will also do DNS AAAA request. The unit will then choose for the first reachable address with IPv4 addresses at higher priority.
---	34100	Mediatrix 4102s : Limit user memory to 128KB Fix:The user memory is now limited to 128KB
8812	34430	Call transfer fails with third party SIP server Fix: When validating "Content-Type" field in SDP, the unit will now use case insensitive comparison as required in a RFC.

31.4.1 Issues Fixed – Models with FXO Interfaces

Incident #	CR #	Description
---	31336	C7 Series: No default route to allow the C730 to behave like a 1204 in factory default. Fix: Added configuration script preset in the system to support the 4 FXO ports.

31.4.2 Issues Fixed – Models with ISDN Interfaces

Incident #	CR #	Description
8690	34370	B-channel not release in Q-SIG PRI trunk when receives SIP 4xx or SIP 5xx message during call setup Fix: Now force a release of the call after a time period to avoid that the ISDN channel stays in use forever.
----	34399	Configuration Restart(Reboot) message is missed when changing LineType and signaling Fix: Ensure that the NeedRestart requests are forwarded to common hardware component.

32. Version 2.0r24.389

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-Release
☒ Mediatrix 3308/3316	Pre-Release
☒ Mediatrix 3404/3408	Pre-Release
☒ Mediatrix 3531/3532	Pre-Release
☒ Mediatrix 3621/3631/3632	Pre-Release
☒ Mediatrix 3716	Pre-Release
☒ Mediatrix 3731/3741	Pre-Release
☒ Mediatrix 3732	Pre-Release
☒ Mediatrix 3734	Pre-Release
☒ Mediatrix 4102S	Pre-Release
☒ Mediatrix 4104	Pre-Release
☒ Mediatrix 4108/4116/4124	Pre-Release
☒ Mediatrix 4401/4402/4404	Pre-Release
☒ Mediatrix LP16/LP24	Pre-Release
☒ Mediatrix C710/C711	Beta
☒ Mediatrix C730/C733	Beta
☒ Mediatrix C731	Beta

32.1 Modified Features & Functionalities

None

32.2 New Functionality

None

32.3 Interface Modifications

None

32.4 Issues Fixed

Incident #	CR #	Description
8748	34383	C7 series: IP-PBX does not recognize DTMF tones sent Out Of Band (RFC2833) Fix: Fix the power level in Out Of Band DTMF.
7885	32929	Mediatrix 4102S is dropping Fax Call after 200 OK for T.38 negotiation Fix: Allow in SDP attribute a=key-mgmt without any value

33. Version 2.0r24.386

This release applies to the following products:

See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-Release
☒ Mediatrix 3308/3316	Pre-Release
☒ Mediatrix 3404/3408	Pre-Release
☒ Mediatrix 3531/3532	Pre-Release
☒ Mediatrix 3621/3631/3632	Pre-Release
☒ Mediatrix 3716	Pre-Release
☒ Mediatrix 3731/3741	Pre-Release
☒ Mediatrix 3732	Pre-Release
☒ Mediatrix 3734	Pre-Release
☒ Mediatrix 4102S	Pre-Release
☒ Mediatrix 4104	Pre-Release
☒ Mediatrix 4108/4116/4124	Pre-Release
☒ Mediatrix 4401/4402/4404	Pre-Release
☒ Mediatrix LP16/LP24	Pre-Release
☒ Mediatrix C710/C711	Beta
☒ Mediatrix C730/C733	Beta
☒ Mediatrix C731	Beta

33.1 Modified Features & Functionalities

None

33.2 New Functionality

- Added the possibility to remove the display name in the SIP contact header field.

33.3 Interface Modifications

- Added the new variable InteropSipContactDisplayNamePresence.

33.4 Issues Fixed

Incident #	CR #	Description
8501	34001	Unable to connect to 440x by SSH - Web is still possible Fix: Modified the relevant package to fix the problem.
8578	34119	No speech path between A and B during conference. Fix: Make sure that under certain conditions, the udp socket opened in a IPv6 RTP session does not switch to IPv4 and stay open.
8550	34288	CID changes to *** when placing a call on hold, performing a second call or transferring a call Fix: Added a new variable InteropSipContactDisplayNamePresence allowing to

Incident #	CR #	Description
		enable/disable presence of the display name in the SIP contact header field.

34. Version 2.0r24.382

This release applies to the following products:

See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-Release
☒ Mediatrix 3308/3316	Pre-Release
☒ Mediatrix 3404/3408	Pre-Release
☒ Mediatrix 3531/3532	Pre-Release
☒ Mediatrix 3621/3631/3632	Pre-Release
☒ Mediatrix 3716	Pre-Release
☒ Mediatrix 3731/3741	Pre-Release
☒ Mediatrix 3732	Pre-Release
☒ Mediatrix 3734	Pre-Release
☒ Mediatrix 4102S	Pre-Release
☒ Mediatrix 4104	Pre-Release
☒ Mediatrix 4108/4116/4124	Pre-Release
☒ Mediatrix 4401/4402/4404	Pre-Release
☒ Mediatrix LP16/LP24	Pre-Release
☒ Mediatrix C710/C711	Beta
☒ Mediatrix C730/C733	Beta
☒ Mediatrix C731	Beta

34.1 Modified Features & Functionalities

- 802.1x EAP-TLS authentication can now also be used if the system time is not synchronized.

34.2 New Functionality

None

34.3 Interface Modifications

- Added a new variable Eth.Eap.CertificateValidation.
- Modified the Network interfaces web page.

34.4 Issues Fixed

Incident #	CR #	Description
8507 8772	33985	Restart of Mediatrix. Fix: The unit now better handles the switch from SRTP to RTP, which prevent the restart of the unit and the one way audio.
8676	34293	802.1x time validation when no NTP server in guest network Fix: Added a new variable Eth.Eap.CertificateValidation that when configure to "NoValidation" allows to launch the 802.1x EAP-TLS authentication even if the system time is not synchronized. In this mode, the server certificates are not validated and server is blindly trusted. This variable is also available on the Network Interface Web page.

35. Version 2.0r24.378

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-Release
☒ Mediatrix 3308/3316	Pre-Release
☒ Mediatrix 3404/3408	Pre-Release
☒ Mediatrix 3531/3532	Pre-Release
☒ Mediatrix 3621/3631/3632	Pre-Release
☒ Mediatrix 3716	Pre-Release
☒ Mediatrix 3731/3741	Pre-Release
☒ Mediatrix 3732	Pre-Release
☒ Mediatrix 3734	Pre-Release
☒ Mediatrix 4102S	Pre-Release
☒ Mediatrix 4104	Pre-Release
☒ Mediatrix 4108/4116/4124	Pre-Release
☒ Mediatrix 4401/4402/4404	Pre-Release
☒ Mediatrix LP16/LP24	Pre-Release
☒ Mediatrix C710/C711	Beta
☒ Mediatrix C730/C733	Beta
☒ Mediatrix C731	Beta

35.1 Modified Features & Functionalities

None

35.2 New Functionality

- Added support for Mediatrix C7 Series

35.3 Interface Modifications

None

35.4 Issues Fixed

Incident #	CR #	Description
8467	33930	Mediatrix GW responds with a long delay (>10 sec) to any SIP requests. Fix: The unit now buffers the BYE until the reception of the Ack to the 200 response

36. Version 2.0r24.373

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-Release
☒ Mediatrix 3308/3316	Pre-Release
☒ Mediatrix 3404/3408	Pre-Release
☒ Mediatrix 3531/3532	Pre-Release
☒ Mediatrix 3621/3631/3632	Pre-Release
☒ Mediatrix 3716	Pre-Release
☒ Mediatrix 3731/3741	Pre-Release
☒ Mediatrix 3732	Pre-Release
☒ Mediatrix 3734	Pre-Release
☒ Mediatrix 4102S	Pre-Release
☒ Mediatrix 4104	Pre-Release
☒ Mediatrix 4108/4116/4124	Pre-Release
☒ Mediatrix 4401/4402/4404	Pre-Release
☒ Mediatrix LP16/LP24	Pre-Release

36.1 Modified Features & Functionalities

None

36.2 New Functionality

None

36.3 Interface Modifications

None

36.4 Issues Fixed

Incident #	CR #	Description
8551	34070	AutomaticRestartGraceDelay does not seem to work as expected in specific profile. Fix: Profile to enable fpu automatic restart when updated via ACS
8691	34188	ISDN ports status information using SIP protocol implementation events are not sent. Fix: Modified the relevant package to fix the problem.

36.4.1 Issues Fixed – Models with ISDN Interfaces

Incident #	CR #	Description
8576	34036	CLI – ISDN endpoints do not shutdown since 2.0.23.338. Fix: Activate endpoint management on ISDN, R2 abd E&M interfaces.

36.4.2 Issues Fixed – Models with FXS Interfaces

Incident #	CR #	Description
8617	34167	FXS Gateway will sometimes generates errors in syslog Fix: The unit will close the faulty channel and re-open a new one before retrying to send the vmwi signal again.

37. Version 2.0r24.363

This release applies to the following products:

See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-Release
☒ Mediatrix 3308/3316	Pre-Release
☒ Mediatrix 3404/3408	Pre-Release
☒ Mediatrix 3531/3532	Pre-Release
☒ Mediatrix 3621/3631/3632	Pre-Release
☒ Mediatrix 3716	Pre-Release
☒ Mediatrix 3731/3741	Pre-Release
☒ Mediatrix 3732	Pre-Release
☒ Mediatrix 3734	Pre-Release
☒ Mediatrix 4102S	Pre-Release
☒ Mediatrix 4104	Pre-Release
☒ Mediatrix 4108/4116/4124	Pre-Release
☒ Mediatrix 4401/4402/4404	Pre-Release
☒ Mediatrix LP16/LP24	Pre-Release

37.1 Modified Features & Functionalities

- IPv6 option #17 may now provide the ACS URL.

37.2 New Functionality

- IpSync support on PRI, R2 and E&M interfaces.
- NLM notifications can be now send via SIP NOTIFY if the SipEp.SipNotificationsGateway and SipEp.MaxNotificationsPerNotify variables are properly configured.
- Added support for the Referred-By header in transferor and transferee mode.
- TR-069 annex F.
- Ability to add username in Request-URI of SUBSCRIBE sent by the unit for MWI.
- Privacy field now behaves like the password fields.

37.3 Interface Modifications

- Added two new variables : SipEp.SipNotificationsGateway and SipEp.MaxNotificationsPerNotify in the SipEp.Monitoring group.
- Added a new Web page System Events.
- Added new variable to allow to add username in Request-URI of SUBSCRIBE sent by the unit for MWI.
- Added the UserSuspendedHandling variable.
- The Snmp Trap destination input box (Management / SNMP web page) has been changed into a text area.

37.4 Issues Fixed

Incident #	CR #	Description
---	30773	CLI – Unit reboots when performing the “ls cli.unlockconfig” command. o Fix: Fixed the “objects” command execution when this one has a wrong argument.
---	32633	Network Policy VLAN ID does not reflect the LLDP network interface link. o Fix: The unit will advertise the VLAN ID only for link names using a VLAN ID. The VLAN ID is no longer retrieved from the VLAN table but from the link name directly.
---	33660	Add support for the new MbXgw2. o Fix: Integrate the MbXgw2 platform
--	33669	Web / Conf, File : Add Warning File is NOT backup. o Fix: Added clarifications in documentations to indicate what is included into a backup process.
---	33824	Support of Referred-By in SIP REFER. o Fix: Added support for the Referred-By header in transferor and transferee mode.
---	33833	SipEp - Context leak in particular transfer scenario. o Fix: Fixed the leak.
---	33846	TR-069 Annex F support. o Fix: Added support for TR-069 annex F. IPv6 option #17 may now provide the ASC URL.
---	33875	RFC-3261 compliant SIP Subscribe Request URI header. o Fix: Added a new variable to allow to add username in Request-URI of SUBSCRIBE sent by the unit for MWI.
---	33559	Some web pages are incomplete when the user does not have admin access rights. o Fix: Adapt the Web interface to the access rights of the logger user.
8495	33974	INVITE with a MIKEY offer is wrong. o Fix: The “V” flag in a MIKEY offer can now be enabled.
---	33987	NLM - In Events module, when the criteria include letters, the state is “valid”. o Fix: Modified the regular expression to only accept numbers and the “All” text in the criteria field of event notifications.
---	34082	Enhancement for 5 SNMP trap destinations. o Fix: Added support for multiple SNMP trap destinations. This feature allows the administrator to configure up to 5 FQDNs/IP addresses destination to send simultaneously the SNMP traps. Destinations must be separated by a comma character.

37.4.1 Issues Fixed – Models with ISDN Interfaces

Incident #	CR #	Description
---	33719	Clock Synchronisation on 3600 (PRI). o Fix: Provided IpSync support on PRI, R2 and E&M interfaces.
---	33772	Status of ISDN link over SIP. o Fix: Modified the Nlm service and SipEp service to provide a way to send Nlm notifications via SIP NOTIFY packets.
8447	33901	Sporadically there are no DTMF signals sent from the unit to ISDN B-channel. o Fix: Added support for simultaneous RTP and RTPEVENT reception.
---	34035	Support of ISDN NOTIFY messages. o Fix: Added a variable that enables to terminate the call or not upon reception of the ISDN Notify message with the Notification Descriptor set to User Suspended.

38. Version 2.0r23.358

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	GA
☒ Mediatrix 3308/3316	GA
☒ Mediatrix 3404/3408	GA
☒ Mediatrix 3531/3532	GA
☒ Mediatrix 3621/3631/3632	GA
☒ Mediatrix 3716	GA
☒ Mediatrix 3731/3741	GA
☒ Mediatrix 3732	GA
☒ Mediatrix 3734	GA
☒ Mediatrix 4102S	GA
☒ Mediatrix 4104	GA
☒ Mediatrix 4108/4116/4124	GA
☒ Mediatrix 4401/4402/4404	GA
☒ Mediatrix LP16/LP24	GA

38.1 Modified Features & Functionalities

None

38.2 New Functionality

None

38.3 Interface Modifications

None

38.4 Issues Fixed

Incident #	CR #	Description
8340	33760	ANAT: Consultation Transfer ringing incoming one way speech path. o Fix: Handle correctly a switch from IPV6 to IPV4 for RTP during a call.
8458	33916	Local conference failure. o Fix: Fixed the EpServ service to make sure that the conference service is activated when configured.
----	33698	Memory leak when TLS is disconnected and reconnected o Fix: Fixed the memory issue in module that validates if the response is valid.

39. Version 2.0r23.338

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	GA
☒ Mediatrix 3308/3316	GA
☒ Mediatrix 3404/3408	GA
☒ Mediatrix 3531/3532	GA
☒ Mediatrix 3621/3631/3632	GA
☒ Mediatrix 3716	GA
☒ Mediatrix 3731/3741	GA
☒ Mediatrix 3732	GA
☒ Mediatrix 3734	GA
☒ Mediatrix 4102S	GA
☒ Mediatrix 4104	GA
☒ Mediatrix 4108/4116/4124	GA
☒ Mediatrix 4401/4402/4404	GA
☒ Mediatrix LP16/LP24	GA

39.1 Modified Features & Functionalities

None

39.2 New Functionality

None

39.3 Interface Modifications

None

39.4 Issues Fixed

Incident #	CR #	Description
8295	33666	Unit that reboots 3 times and then becomes inaccessible when moved to a different network. o Fix: Allow more time for the query resolving.
8297	33668	Unit trying to boot from the recovery bank when there is no good load stored there and lead to a bad state, unreachable. o Fix: When the application is unable to start, it will first set the Telf service to manual startup. If the application is still unable to restart, it will perform a factory reset. This behaviour allows attempting to boot in the normal bank before switching to the recovery bank.
---	33709	Network Firewall page gives 404 Not found when a rule is present. o Fix: Fixed the problematic web page.
---	33711	Clock synchronization data is not restored after a unit reboot. o Fix: Clock synchronization data is now correctly loaded when the unit reboot.

40. Version 2.0r23.336

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-Release
☒ Mediatrix 3308/3316	Pre-Release
☒ Mediatrix 3404/3408	Pre-Release
☒ Mediatrix 3531/3532	Pre-Release
☒ Mediatrix 3621/3631/3632	Pre-Release
☒ Mediatrix 3716	Pre-Release
☒ Mediatrix 3731/3741	Pre-Release
☒ Mediatrix 3732	Pre-Release
☒ Mediatrix 3734	Pre-Release
☒ Mediatrix 4102S	Pre-Release
☒ Mediatrix 4104	Pre-Release
☒ Mediatrix 4108/4116/4124	Pre-Release
☒ Mediatrix 4401/4402/4404	Pre-Release
☒ Mediatrix LP16/LP24	Pre-Release

40.1 Modified Features & Functionalities

- During configuration script exportation, the user can specify on the web page the service from which the configuration is exported.

40.2 New Functionality

None

40.3 Interface Modifications

- New variable Conf.ScriptExportServiceName
- Removed variables EpServ.DefaultCallDirectionRestriction and EpServ.EpSpecificCall.DirectionRestriction.
- Web pages modified:
 - Management/Configuration Scripts
 - Management/Backup&Restore
 - Management/File
 - Management/Certificates

40.4 Issues Fixed

Incident #	CR #	Description
---	33651	Conf - After execution a script, Transfer succeeded but failed to run completely. Fix: Removed the deprecated variables EpServ.DefaultCallDirectionRestriction and EpServ.EpSpecificCall.DirectionRestriction that caused the issue. Also removed a related deprecated variable that was not responding to UME but caused no script execution issue.

41. Version 2.0r23.335

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-Release
☒ Mediatrix 3308/3316	Pre-Release
☒ Mediatrix 3404/3408	Pre-Release
☒ Mediatrix 3531/3532	Pre-Release
☒ Mediatrix 3621/3631/3632	Pre-Release
☒ Mediatrix 3716	Pre-Release
☒ Mediatrix 3731/3741	Pre-Release
☒ Mediatrix 3732	Pre-Release
☒ Mediatrix 3734	Pre-Release
☒ Mediatrix 4102S	Pre-Release
☒ Mediatrix 4104	Pre-Release
☒ Mediatrix 4108/4116/4124	Pre-Release
☒ Mediatrix 4401/4402/4404	Pre-Release
☒ Mediatrix LP16/LP24	Pre-Release

41.1 Modified Features & Functionalities

- Allow 30 encrypted calls (with compressed codec) per PRI card on the Mediatrix 3000.
- It is now possible to export a script configuration of a specific service.
- New behaviour: semi-attended transfer. When enabled, the blind transfer starts while the target party is ringing and the transferor waits for a confirmed dialog with the target (i.e. waits for the 200 OK response) before sending the REFER request to the transferee.
- Call Router routes have a new possible destination type.

41.2 New Functionality

- Modified the call router to support "SipRedirects", which can be used as destinations in call router rules. Using a SipRedirect destination in a route causes a Moved Temporarily (302) response to be issued to the incoming SIP Invites that match the route criteria.

41.3 Interface Modifications

- Added a new argument ServiceName to the Conf.ScriptExport command.
- Added a new description field in the header of the Conf script/image file.
- The following web pages have been modified:
 - Management / Script
 - Management / Backup/restore
 - ISDN / Status
 - R2 / Status
 - E&M / Status
- Added the SipEp.InteropWaitConfirmedDialogForBlindTransfer and SipEp.InteropPendingBlindTransferTimeout variables.
- Added the InteropForkedProvisionalResponsesBehavior variable.
- Two new tables in CRout.mcd: SipRedirect and SipRedirectStatus, and the new InsertSipRedirect command.
- New web page SIP Redirects in the Call Router web page. The call router web pages can use the SipRedirect web pages as route destinations.

41.4 Issues Fixed

Incident #	CR #	Description
---	27782	Configuration script of 480 K may not run successfully. Fix: Updated the script processing engine.
7810	32745	Blind transfer fails. Fix: Modified the way the unit handles blind transfers while the target is still ringing. This type of transfer is called semi-attended transfer. With the new behaviour, the transferor waits for the 200 OK message from the target before sending the REFER request to the transferee. This new behaviour is enabled through interoperability variable SipEp.InteropWaitConfirmedDialogForBlindTransfer. If the new behaviour is disabled (default value), the unit adopts the previous behaviour for backwards compatibility.
8202	33508	Dgw2.0.20.30 rolls back to recovery bank. Fix: Fixed the SDP negotiation problem causing the crash.
8237	33566	SIP service doesn't restart or stop. Fix: Handle correctly 100 trying on SIP OPTIONS sent by the unit.
---	33638	Support of 30 encrypted G.729 calls per PRI card on the 3000. Fix: Enabled the support of 30 encrypted G.729 calls per PRI card on the 3000.
8288	33645	No Early Media/Ringback tone because of several incoming 18x SIP messages. Fix: Added the possibility to interpret all forked provisionnal answers.
---	33661	SIP Redirect with 302 Moved Temporarily. Fix: Added the SIP Redirect feature in the Call Router.

41.4.1 Issues Fixed – Models with ISDN Interfaces

Incident #	CR #	Description
---	33614	Easier ISDN configuration by providing sets of configuration. Fix: Added the notion of "Configuration Presets" in the Dgw 2.0 application. This new feature gives to the administrator an easy way to configure the device for a specific usage, without manual doing.

42. Version 2.0r23.329

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-Release
☒ Mediatrix 3308/3316	Pre-Release
☒ Mediatrix 3404/3408	Pre-Release
☒ Mediatrix 3531/3532	Pre-Release
☒ Mediatrix 3621/3631/3632	Pre-Release
☒ Mediatrix 3716	Pre-Release
☒ Mediatrix 3731/3741	Pre-Release
☒ Mediatrix 3732	Pre-Release
☒ Mediatrix 3734	Pre-Release
☒ Mediatrix 4102S	Pre-Release
☒ Mediatrix 4104	Pre-Release
☒ Mediatrix 4108/4116/4124	Pre-Release
☒ Mediatrix 4401/4402/4404	Pre-Release
☒ Mediatrix LP16/LP24	Pre-Release

42.1 Modified Features & Functionalities

- The user can enter up to 512 characters in the "destinations" field of the "Call Router - Hunt" configuration.
- Response to the SETUP message in NI2.
- Configuration of the EpServ.CallDtmfMapAllowedEpId and EpServ.CallDtmfMapRefuseEpId columnars.

42.2 New Functionality

- Possibility to enable ACS strict type checking.
- Possibility to auto-configure the ISDN, R2 and E&M basic settings.
- Now able to configure access rights by user.

42.3 Interface Modifications

- Added the variable interopParameterTypeValidation in the interop group of the cwmpMIB. The variable is only accessible via Snmp and Cli.
- Added Isdn.AutoConfigure and Isdn.CancelAutoConfigure commands.
- Added Isdn.AutoConfigureStatus and Isdn.LastAutoConfigureResult status variables.
- Added Isdn notification messages related to the auto-configure feature.
- Added R2.AutoConfigure and R2.CancelAutoConfigure commands.
- Added R2.AutoConfigureStatus and R2.LastAutoConfigureResult status variables.
- Added R2 notification messages related to the auto-configure feature.
- Added E&M.AutoConfigure and E&M.CancelAutoConfigure commands.
- Added E&M.AutoConfigureStatus and E&M.LastAutoConfigureResult status variables.
- Added E&M notification messages related to the auto-configure feature.
- Modified the ISDN, R2 and E&M web pages.
- Modified the Telephony digitmaps web page.

42.4 Issues Fixed

Incident #	CR #	Description
---	33368	Impossible to add more than 20 destinations in the "Destinations" field in the Call Router - Hunt configuration, because there is a field length limit of 250 characters. Fix: Changed the maximum of 255 characters to 512 of the "destinations" field.
---	33472	TR-069 ACS Certification - SetParameterValues - Invalid path. Fix: Added the interop variable <code>interopParameterTypeValidation</code> which enables or disables the possibility to active a strict type checking of the set parameter value type received from the ACS.
---	33533	Port-based Dialmaps. Fix: Modified the EpServ service and the Telephony Digitmaps web page to be able to configure several endpoints in the allowed/refused dtmf map tables.
7807	33539	More secure password criteria in DGW 2.0 - Part 2 of 2. Fix: Able to configure user access rights using t three main templates.

42.4.1 Issues Fixed – Models with ISDN Interfaces

Incident #	CR #	Description
7503	33512	Support caller name in ISDN Facility message received after Call Proceeding ISDN message. Fix: When NI2 signaling is used, if an "informationFollowing" operation is present in the SETUP message, send the PROCEEDING ISDN message and then wait for the Facility message containing the Calling Party Name.
---	33523	Autodetect and autoconfig for ISDN (BRI/PRI) link. Fix: Added a new command <code>AutoConfigure</code> in each service (Isdn, R2, E&M) allowing to launch a smart algorithm capable to auto-configure the basic ISDN, R2 and E&M settings.

43. Version 2.0r23.325

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-Release
☒ Mediatrix 3308/3316	Pre-Release
☒ Mediatrix 3404/3408	Pre-Release
☒ Mediatrix 3531/3532	Pre-Release
☒ Mediatrix 3621/3631/3632	Pre-Release
☒ Mediatrix 3716	Pre-Release
☒ Mediatrix 3731/3741	Pre-Release
☒ Mediatrix 3732	Pre-Release
☒ Mediatrix 3734	Pre-Release
☒ Mediatrix 4102S	Pre-Release
☒ Mediatrix 4104	Pre-Release
☒ Mediatrix 4108/4116/4124	Pre-Release
☒ Mediatrix 4401/4402/4404	Pre-Release
☒ Mediatrix LP16/LP24	Pre-Release

43.1 Modified Features & Functionalities

- PCM capture activation.
- An empty static IP address is now accepted.
- When trying to insert a user from other services (such as the Cwmp service via a TR-069 connection request username command), the password used to insert the user is no longer empty but now chosen by the Aaa service to satisfy the password policies.

43.2 New Functionality

- PCM capture is now configurable to be started for a specific call (not only for a specific endpoint).
- The SNMP trap destination resolves and uses the IP address of a FQDN.
- Configuration variables to set default values of NPI, TON, SI, PI in Calling Number IE and of NPI and TON on Called Number IE.

43.3 Interface Modifications

- The trap destination now accepts a FQDN format.
- The network interface configuration now accepts an empty static IP address.
- New variables DefaultCallingSi, DefaultCallingPi, DefaultCallingNpi, DefaultCallingTon, DefaultCalledNpi, DefaultCalledTon in table SignalingChannel in ISDN. Web pages ISDN PRI and ISDN BRI are modified to edit these variables.

43.4 Issues Fixed

Incident #	CR #	Description
---	30289	Unable to start a PCM capture for a specific call. ○ Fix: Added a new configuration call property (Debug) in the Call Router allowing to have the PCM capture activated for a specific call.
7989	33280	No trap sent when using FQDN as trap address. ○ Fix: Added appropriate conditions to accept a FQDN entry in the SNMP trap destination and also resolves an IP address from this FQDN.
---	33286	Restoring a configuration script with default setting will have an error. ○ Fix: Accept an empty static IP address.

Incident #	CR #	Description
---	33485	More secure password criteria in DGW 2.0 - Part 1 of 2. Fix: Added basic support of password policies in the Aaa service. Policies are applied only on the Aaa.UsersPassword variable. These variables are configurable via custom profile only.
----	33503	When LLDP is enabled, the unit may restart after a while Fix: Modified the relevant package to fix the problem.

43.4.1 Issues Fixed – Models with ISDN Interfaces

Incident #	CR #	Description
---	33473	Configuration of TON, NPI, PI, SI via web page. Fix: Added new variables to set default values of NPI, TON, SI, PI in Calling Number IE and of NPI and TON on Called Number IE.

44. Version 2.0r23.321

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	Pre-Release
☒ Mediatrix 3308/3316	Pre-Release
☒ Mediatrix 3404/3408	Pre-Release
☒ Mediatrix 3531/3532	Pre-Release
☒ Mediatrix 3621/3631/3632	Pre-Release
☒ Mediatrix 3716	Pre-Release
☒ Mediatrix 3731/3741	Pre-Release
☒ Mediatrix 3732	Pre-Release
☒ Mediatrix 3734	Pre-Release
☒ Mediatrix 4102S	Pre-Release
☒ Mediatrix 4104	Pre-Release
☒ Mediatrix 4108/4116/4124	Pre-Release
☒ Mediatrix 4401/4402/4404	Pre-Release
☒ Mediatrix LP16/LP24	Pre-Release

44.1 Modified Features & Functionalities

- New SipHeaderTranslations rules, new CallPropertiesTranslation rules and new SignalingProperty privacy rules support.
- The keep alive mechanism will not start if there is no destination specified or if the destination specified and SIP gateway are not in the same IP address version.
- Modified the validation of variables SignalingChannel.AcceptedProgressCauses and SignalingChannel.AcceptedStatusCauses.
- Out-of range values are now reported as "out of range" instead of being reported as syntax errors. These variables share the same validation function with the new variables.

44.2 New Functionality

- The connection address used in the SDP offer/answer when an endpoint is put on hold is now configurable. It could be (0.0.0.0) or the listening media IP address (device IP address).
- Remote-Party-ID Support.
- Statistics variables.
- Added "Content-Type: multipart/mixed" and "Content-Type: application/vnd.3gpp.cw+xml" support.

- It is now possible to reserve channels for either incoming or outgoing calls on ISDN PRI interfaces.

44.3 Interface Modifications

- Added the SipEp.InteropOnHoldSdpConnectionAddress variable.
- Modified the description of the SipEp.InteropSdpDirectionAttributeEnable and SipEp.InteropOnHoldAnswerSdpStreamDirection variables.
- Prohibit an empty alternate destination content.
- Two new variables in ISDN PrimaryRateInterface table.

44.4 Issues Fixed

Incident #	CR #	Description
7826	33172	Send unit's IP in SDP. ○ Fix: Added the SipEp.InteropOnHoldSdpConnectionAddress variable offering the possibility to set the connection address to hold (0.0.0.0) or listening media (device IP address) in the SDP offer/answer when the endpoint is put on hold.
---	33363	Support of the Remote Party ID field. ○ Fix: Added support to send and receive RPID headers. Updated CallRouters rules to be able to set/get more parameters for flexibility in the implementation.
---	33380	ISDN level 1 and 2 info, counters needed on Mediatix units. ○ Fix: Added some statistics variables related to the Falc56 framer located under the Ext1Pri1 MIBs. These variables can be visualized in the configuration device /dev/pri/pri2-0 or pri3-0.
---	33401	DGW 2.0 compliance with 3GPP specification 24.615. ○ Fix: Added support for 3GPP Call waiting requests received as a payload of SIP packet with content-type : multipart/mixed. Added specific alert-info in response to those 3GPP call waiting invites when an FXS endpoint was notified of a call waiting.
7895	33423	500 User Registration. ○ Fix: To avoid having to alter the quality of calls the unit will randomly distribute all the registration requests within the period of time defined by the "InteropRegistrationDelayValue" variable.
---	33427	MIME Multipart/Mixed content support. ○ Fix: Added the "InteropUnsupportedContentType" variable that can now be used to accept packets on a unit that does not support every payloads.
8096	33430	Keep trying to connect with node1 while node1 is down. ○ Fix: The TCP connect timeout was not applied correctly. The value of 189 seconds was used by default.
7960	33433	Select a range of channels in a hunt. ○ Fix: Added two variables to reserve channels for either incoming or outgoing calls on ISDN PRI interfaces. Each ISDN PRI interface has its set of these direction reservation variables.

45. Version 2.0r22.320

This release applies to the following products:
See [Release Definitions](#) for Media5 release definitions.

☒ Mediatrix 3208/3216	GA
☒ Mediatrix 3308/3316	GA
☒ Mediatrix 3404/3408	GA
☒ Mediatrix 3531/3532	GA
☒ Mediatrix 3621/3631/3632	GA
☒ Mediatrix 3716	GA
☒ Mediatrix 3731/3741	GA
☒ Mediatrix 3732	GA
☒ Mediatrix 3734	GA
☒ Mediatrix 4102S	GA
☒ Mediatrix 4104	GA
☒ Mediatrix 4108/4116/4124	GA
☒ Mediatrix 4401/4402/4404	GA
☒ Mediatrix LP16/LP24	GA

45.1 Modified Features & Functionalities

None

45.2 New Functionality

None

45.3 Interface Modifications

None

45.4 Issues Fixed

Incident #	CR #	Description
---	33442	SIP Domain Override no longer works. Fix: Replace correctly the domain and prevent loss of information.

46. Known Issues/Limitations of v2.0r29.531

46.1 General Issues/Limitations

Incident #	CR #	Description
---	18512	Row commands are not supported by the script language. The language currently does not allow executing a row command with the logical expected "command" syntax (for example 'Dhcp.StaticLeases[MacAddress="0090F8001234"].Delete'). However, it is possible to execute a command through a SET by assigning the "execute" value to the cell representing the command. For example, the service DHCP's StaticLeases' Delete row command is an enum that has 2 possible values: noOp (0) and delete (10). It is possible to execute the command by assigning the value 10 to the Delete cell: Dhcp.StaticLeases[MacAddress="0090F8001234"].Delete=10
---	18995	The data codec priority set by the user may not be followed.
---	19054	The Hunt Name should be less than 64 characters since "hunt-" is added when you input this hunt in

Incident #	CR #	Description
		a route destination.
---	19070	Adding 200 hunt rows via SNMP causes the unit to reboot.
---	19877	Time criteria errors cannot be edited. You must re-enter all of the data.
---	20242	The configuration is not reset after a Fpu.ResetDatabase command followed by an upgrade/downgrade.
---	20304	Dynamic re-indexation of tables causes data deletion problems.
---	20362	Web page permits a VLAN ID of 0. If you set such a VLAN ID, the unit can no longer be contacted and you must perform a reset to recover from the error.
---	20419	SNTP warning in syslog although the SNTP server is valid.
---	20581	The Lan1 interface won't come up when disabling the rescue interface.
---	20719	The Call Routing Configuration SNMP "Fixed value" field range is too high in the MIB. You should not exceed 64 characters as a fixed value.
---	20871	The allowed range for some command arguments should be reviewed. Some command argument ranges allow entering unsupported values.
---	25274	Web Service, Syslog message, always report "HTTP requests on port '0' " and "HTTPS requests on port '0' ".
---	25307	When a partial reset is triggered, the cli.inactivityTimeOuts are affected.
---	25364	Unsupported variables should not appear in the MCD files and MIB browser.
---	25366	The application attribute sendrecv in 200 OK for a hold re-INVITE.
---	25605	SNMP - Some buffered traps may be lost when changing the trap destination.
---	25874	No "link down" snmp trap when restarting the ISDN service.
---	27161	Voice returns to G.711 instead of G.729 at the end of a T.38 fax when InteropAllowAudioAndImageNegotiation is set to enable.
---	27262	The SIP Gateway State is "Network down" even if the "Uplink" interface is "Active" in PPPoE.
---	27480	The conversion from configured username to E164 in the auto-routing can use a partial username if the username is not an E164.
---	27651	SIP 487 Request Terminated can be seen instead of 415 unsupported media type in a PRACK particular scenario.
---	27661	The "interopTransmissionTimeout" is not followed in the PRACK call scenario.
---	27709	The unit does not return 415 unsupported Media Type in a particular PRACK scenario and the call is ongoing with no voice.
---	27716	When enabling PCM capture, the unit does not support sending streams with a ptime of 10 ms.
---	27789	RTP Stats: wrong data after 24h and loaded unit.
---	27803	The "scriptExportUrl" variable range limit is 512 in the MIB but is 256 in reality.
---	27849	RTP stats - the average Periodic Latency is not calculated correctly.
---	27850	RTP stats - One call out of ten (1/10) is not displayed (lost) in the connection statistics.
---	27871	The 'ls' and TAB-complete of the CLI shows unavailable variables/commands.
---	27873	RTP stats - The limitation range of "statsCollectionPeriodDuration" is not applied correctly on the web page.
---	27874	RTP stats - Sometimes the first Period Beginning is empty on the Collection Period Statistics.
---	27887	RTP stats - Cannot delete the history of the Connection Statistics and Collection Period Statics.
---	28050	Automatic configuration script run does not behave correctly when invalid server address is configured.
---	28161	SCM - "Restart Needed" message is only present in the web page interface and not in the "servicesInfoTable" table or via CLI.
---	28181	SCM - Tool tips are not seen on disabled buttons in Firefox 3.5.
---	28350	DHCP server does not give the fourth DNS, NTP and NBNS when configured statically in the default

Incident #	CR #	Description
		subnet. This applies to units with two Ethernet ports or more.
---	28356	Static lease is not present in the DHCP lease table. This applies to units with two Ethernet ports or more.
---	28419	Custom tones are not saved via the web page interface if the user does not enter any "Overridden Tone States".
---	28515	Missing privacy key parameter in the backup command.
---	29001	DHCP Configuration scripts are not completely executed if the service that needs configuration is stopped. When downloading two scripts with the new DHCP Configuration script download feature, the first script (Option 66 - tftp-server) must not restart services that have values modified by the second (Option 67 - bootfile) script.
---	29004	SipEp - SIP packets cannot be sent when NoRouteHeader is enabled on a TLS fallback configuration using a FQDN as outbound proxy.
---	29043	Initial INVITE is rejected with a 487 if a re-INVITE with incompatible session timer is received before the dialog is connected.
---	29062	Call forward and SIP redirection in a particular TLS fallback scenario do not work properly.
---	29123	RebootIfNeeded run the script again after the reboot instead of resuming it.
---	29323	Diagnostic trace Level not kept when upgrading.
---	29401	The ACS URL obtained via DHCP is still used after the network configuration changed from DHCP to static.
---	29486	TR-069 packets are sent via a non configured "Management Interface".
---	29653	SNMP – Too much SNMP Traps are sent at boot up.
---	29854	401 on REFER is not answered with credentials.
---	30260	Factory reset at boot does not work when Partial reset is disabled.
---	30528	MWI validation more strict than SIP v5.0.
---	30610	CONF – Clicking the "Submit & Run Now" button with no other configuration makes the "Script Status" "Run" to "Success".
---	30722	Configuration Reference Guide says that HTTP/HTTPS protocol are supported by the Backup command.
---	30778	CLI – Unit is disconnect from the Telnet connection when you disable the SSH.
---	30800	CWMP – PPPoE connection is terminated at boot up if the CWMP service is started and SNMP informs are enabled.
---	30875	LQOS – DiffServ can be configured for IPSYNC even is not supported on the hardware platform.
---	30890	The call waiting tone loops to state one even if "next state" is set to nothing.
---	31025	HOC – "hostname" modification is not dynamic. A restart of the BNI service is required
---	31208	DHCP Script at boot is not functional via DHCPv6.
---	31675	Conf: Script does not start the Service when it is needed, it only set it to Auto.
---	31914	Unit does not un-register in SIP TLS when restarting the SIPEP service or rebooting the unit.
---	32574	Web: password change NOT possible in profiles with only Web interface like IPSync.
---	32879	LLDP – web page interface does not support IPv6 network interface.
---	32892	TLS Certificate Host Name Validation is not possible when using IPv6 link local IP addresses in all HTTPS file transfers.
---	32896	Hold/unhold is not functional and call is IPv6 Link Local.
---	32914	BNI – networkInterfacesPriority is not functional in IPv6 Auto-conf and duplicate IPv6 is possible.
---	32924	LLDP – DiffServ (Traffic Class Ipv6) and Override Network Policy are not supported in IPv6.
---	33090	SIP keep-alive not functional when using ping with IPv6 link-local address.

Incident #	CR #	Description
---	33349	Keep Alive - Sending PING remains nonfunctional after automated IPv4 DNS server.
---	33705	Telif- Call Forward does not work with TLS.
--	33960	Uploading script via web page might not work with certain web browsers.
8474	34112	Unit fails to register when receiving user=phone in contact field.
----	34811	The same event notification send via SIP is sent as many time as there are Sip gateways but always for the same Sip Gateway.
----	34837	Unit with a maximum of 64 "Unit Registration" allows to add more than this maximum without a web message warning.
----	34882	LAN card is lost when LLDP network interface configuration change from LAN1 to Uplink
9222	35148	POS calls fails when no VAD attribute in SDP.
9223	35151	8-16-24 FXS send BYE for outgoing calls if sent DTMF Info during Progress.
9230	35171	Problem with persistent TLS Base Port in Mediatrix configuration.
9309	35320	Gateway does not terminate the call if received Cancel before 101 trying.
9139	35327	TR-069 - Communication between ACS and Mediatrix 41xx fails.
----	35409	SIP Registration over a VLAN is not working.
----	35824	Unable to log with CS3 with Firefox V30.0.
10220	35932	It is not possible to override the Pre dial delay with a lower value than the country configuration.
----	35963	FXS Bypass - Power Off mode always sets the unit in Bypass but the line status still displays "Idle".

46.2 Models with ISDN Interfaces Specific Issues/Limitations.

Incident #	CR #	Description
---	19887	Messages with 3 bytes ISDN call reference length are ignored. The maximum call reference length currently accepted is 2 bytes. If the unit receives a message with a call reference length of more than 2 bytes, it will ignore it and syslog messages "Call reference length (x bytes) is too big, ignoring" will be sent (if diagnostic traces are activated).
---	22132	The web page does not properly display the available functionality when the Endpoint Type is NT or TE.
---	25729	"First DTMF Timeout" is not taken into account on ISDN platforms since it conflicts with the T302 Timer.
---	27565	The "hook flash processing" variable is available for endpoint that doesn't support the feature.
---	25824	No "link down" snmp trap when restarting the ISDN service
---	27951	Early Connect is not functional in QSIG if the progress indicator is not present in the ISDN Alerting message.
8999	34789	No notify ISDN link down during the boot up when the unit is rebooted
9310	35339	DTMF sent double to PSTN

46.3 Models with BRI Interfaces Specific Issues/Limitations

Incident #	CR #	Description
---	19824	The unit does not send Disconnect when forwarding on a busy destination UNCOMPLETE.
---	28739	IP Sync - Syslog traces cannot be obtained.
---	28823	IP Sync – The TDM Bus Precision is really high.
---	28829	IP Sync – Slave unit cannot send IPSYNC register packets even if the master is reachable.
---	28831	IP Sync – Slave the "TDM Bus Precision" value does not mean anything to the user.

Incident #	CR #	Description
8945	34684	IP Sync – Slave CPG with FW Dgw 2.0.24.402 is not synchronized at all.

46.4 Models with PRI (E1/T1) Interfaces Specific Issues/Limitations

Incident #	CR #	Description
---	24211	The Mediatrix 3632 reboots when performing HTTPS access time due to the local firewall and 20 ms Ptime combination.
---	25600	E1 interface: The needs restart flag is not set event if the R2 service needs to be restarted.
---	29105	Signal IE cannot be disabled in NI2.
---	30696	E1 interface: DTMF - Double DTMF Generation and Assert in R2 CAS with DTMF Transport Signaling Protocol Dependent.
8750	34372	No audio to PSTN on random calls.
---	35355	Mediatrix 3632 – With 60 simultaneous calls, refreshing the web page may affect the voice quality

46.5 Models with FXS Interfaces Specific Issues/Limitations

Incident #	CR #	Description
---	25300	The- Call transfer does not follow RFC 3891.
---	25703	No current drop measured with 3 rd party test equipment when doing a lock on FXS port. The power drop on idle-unusable FXS endpoint feature is not yet supported.
---	25796	No dial tone after Tellf service restart while off-hook.
---	27467	Mediatrix 4108/4116/4124: The FXS loop current is offset 3 mA higher than the MIB configuration.
---	27840	CCNR cannot be activated if the CCBS activation code was previously dialled by mistake.
---	29209	The CCBS service cannot be deactivated if the CCNR “Activation Via Handset” is not enabled.
---	29726	All Ethernet ports (i.e: Wan and Lan) on the same Mediatrix device share a unique MAC address (which is the device’s MAC address). When at least two of them are plugged on the same network switch, this may cause a bad network performances, no matter if the network interfaces are configured or not with different IP addresses. Because of these reduced network performances, some services and features (such as Web, file transfer, firmware update) may not be working properly.
---	30168	Pots - Bypass is still activated after a reboot when the bypass activation mode is set to PowerDown.
---	34073	C7 Series: Fax in G726 40k or G711 does not confirm page reception.

46.5.1 Models with 7Fxs1Fxo Interfaces Specific Issues/Limitations

Incident #	CR #	Description
---	27981	FXO – Echo can be heard when performing a call from SIP to PSTN.

46.6 Models with FXO Interfaces Specific Issues/Limitations

Incident #	CR #	Description
---	29661	Link State Verification is not functional if the FXO port is locked.
---	29754	FXO - UK1 Caller-ID is not detected.
---	29755	FXO - Brazil1 Caller-ID is not detected

47. Miscellaneous Notes

- Media5 recommends using the security mode "Secure with fallback" for better interoperability with 3rd party vendor IP phones.
Known problem: 3rd party vendor IP phone might freeze if the Mediatrix units are configured "Secure" instead of "Secure with fallback" while performing hold/unhold calls.
- The Mediatrix unit no longer supports the transfer version "draft-ietf-sip-cc-transfer-02.txt" (CR 21595).

48. Contacting Media5

In order to maximize technical support resources, Media5 works through its partner channels to resolve technical support issues. All end users requiring technical support are encouraged to contact their vendor directly.