

NEXEDGE®

Release Notes

OTAP for TAIT DMR TIER III Trunking System

NX-5000 Series R4.6

NX-3000 Series R3.6

KPG-D1 R4.6

KPG-D3 R3.6

KPG-180AP R4.1

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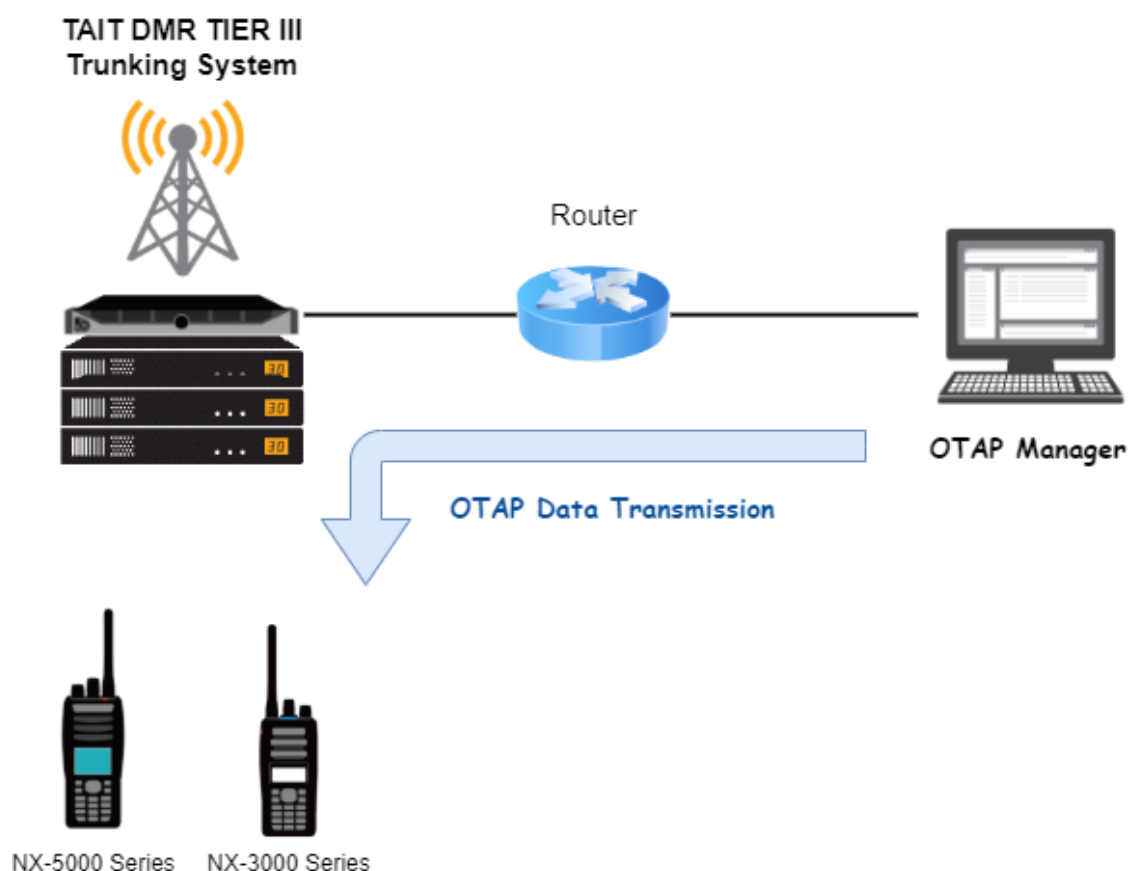
1. Release information

1.1. Features

Please prepare for the upcoming upgrade of NX-5000/3000 Series. With a firmware update scheduled in May of 2022, NX-5000/3000 series will equip new feature for TAIT DMR TIER III Trunking OTAP. The version upgrade will be initiated once the applicable license is purchased (see 1.2). Check information below for enabling all new features.

1.1.1. DMR OTAP for TAIT TIER III Trunking System

For this Version up, The KPG-180AP will support OTAP (Over the Air Programming) on the TAIT DMR TIER III Trunking System. Previous version of KPG-180AP has supported the DMR TIER II Conventional system, but with this version upgrade, this function is NOW supported by not only Conventional System but also TAIT DMR TIER III Trunking System. Since NX-5000 Series require to use IP addressing for TAIT DMR TIER III Trunking OTAP, several setting items have been added to KPG-D1/D1N. For more detail about OTAP technically related to TAIT TIER III Trunking, please refer to an Application Note which will be issued later on.



1.2. Licenses

See the title and the description of licenses required for the upgrade in the list below.

1.2.1. Radio Feature License

Radio Feature License: The following licenses are necessary.

Model Name	License Key	Description
NX-5000 Series	KWD-5300CV	License for DMR Conventional
	KWD-5301TR	License for DMR TIER III Trunking
	KWD-5304AP	License for DMR OTAP
NX-3000 Series	KWD-3302TR	License for DMR TIER III Trunking

1.2.2. Software License

Software License: The following license is necessary.

Model Name	License Key	Description
KPG-180AP	KWD-AP5-DP	DMR IP OTAP

2. Compatibility of programming software

2.1. KPG-D1/D1N, KPG-D3/D3N

This section describes compatibility among the previous versions and the newest versions of Firmware and programming software (KPG-D1/D1N, KPG-D3/D3N). Check file compatibility with the earlier versions.

[Definition]

Open: Opening a data file by programming software

Read: Reading programming data from subscriber unit

Write: Writing programming data to subscriber unit

New Data: A data file generated by programming software in the latest Version

Old Data: A data file generated by programming software version prior to the latest version

2.1.1. Compatibility of Opening a data file

			New Data	Old Data
KPG-D1/D1N Version	4.60	Open	✓	✓
	Prior to 4.50	Open	✓(*1)	✓

			New Data	Old Data
KPG-D3/D3N Version	3.60	Open	✓	✓
	Prior to 3.50	Open	✓(*1)	✓

(*1): You can open the saved data written by Programming software of V4.21 or greater, if P25 Enhanced Encryption of Product Information is off. Please note that you cannot open the data if this feature is on.

NB: any saved data written by the earlier versions than V4.21 cannot be opened.

2.1.2. Compatibility of Reading from a subscriber unit

			NX-5000 series Firmware	
			V4.60	Prior to 4.50
KPG-D1/D1N Version	4.60	Read	✓	✓
	Prior to 4.50	Read	✓(*2)	✓

			NX-3000 series Firmware	
			V3.60	Prior to 3.50
KPG-D3/D3N	3.60	Read	✓	✓
Version	Prior to 3.50	Read	✓(*2)	✓

(*2): Similarly as (*1), You can read the saved data written by Programming software of V4.21 or greater, if P25 Enhanced Encryption of Product Information is off. You cannot read the data if this feature is on.

NB: any saved data written by the earlier versions than V4.21 cannot be read.

2.1.3. Compatibility of Writing to a subscriber unit

			NX-5000 series Firmware	
			V4.60	Prior to V4.50
FPU	4.60	Write	✓	✓
Version	Prior to 4.50	Write	✓	✓

3. Product Versions

Please check newly released versions:

Product	Supported Version in this Release	
	Version	Note
NX-5000 series	V4.60	OTAP (Over the Air Programming) for TAIT DMR TIER III Trunking System
NX-3000 series	V3.60	
KPG-D1/D1N	V4.60	
KPG-D3/D3N	V3.60	
KPG-180AP	V4.10	

Revision History

Version	Date of issue	Note
1.00	15 April 2022	First Release