



INTERACTIVE INTELLIGENCE®
Deliberately Innovative

3rd Party Certified Equipment Supplemental Information

Certification Completed On:
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2.0.1 – Network Equipment Technology, UX2000



1 Important Notes

- Check the *SIP 3rd Party Validation Website* for current validation status. The *SIP 3rd Party Validation Website* can be viewed at:
 - <http://testlab.inin.com>

2 Vendor Documentation

<https://support.net.com/display/UXDOC/UX+Documentation>

3 Validated Firmware Version

2.0.1 v118

4 Install

Download the *UX2000* files from the Interactive Intelligence Testlab website:

Gateway Software ux2000-sw-release-2.0.1.tar.gz

5 Configuration

Methods:

- Web interface. There are many advanced options that are exposed in the web interface. Caution should be exercised and the *UX2000* documentation should always be referenced when using the web interface configuration option.

Initial Setup:

It is strongly recommended to consult any NET documentation available before following the steps outlines in this document.

- *Connect to Admin port of UX2000*
- Follow the *NET* instructions in the booklet shipped with the *UX2000* for getting an IP address assigned to the device. (<https://support.net.com/display/UXDOC/UX2000+-+Initial+Setup>)
- *Configure Local Administrative User*

Download Current Firmware:

- In the WebUI, click the **Tasks** tab.
 - In the left navigation pane, under the **System**, click **Firmware Upgrade**.
 - Under **Select File**, click the **Browse** button and select the UX firmware file **sw-release-x.y.z.tar.gz** to upload.
 - Click **OK** - the warning popup will be dispatched.
 - Click **OK** to upload the new firmware. **Do not close or navigate away from the browser window**
- Throughout the upload process, the web interface will dispatch a series of status messages.
- After Firmware is uploaded UX2000 will restart.

Changing the Configuration:

- *Prior to making any changes, the NET documentation should be consulted for information on configuration parameters, options and functions. Changes can be made via the web interface*

UX Call Routing Configuration Steps

Configure ISDN Signaling Groups

- Add Description
- Set Admin State
- Select associated T1/E1 Port
- Select Switch Variant (ISDN protocol)
- Specify Route Table (Inbound focus)

Configure SIP Signaling Groups

- Add Description
- Admin State
- Call Routing Table
 - Inbound focus
- Number of Channels to support
- SIP Profile (Default typical)
- SIP Server Table
 - Outbound (Next-Hop) focus
- Load Balancing/Channel Hunting
 - Able to Load Balance, if multiple next-hop servers are defined in SIP Server Table.
- Limit Transactions
 - Limit Call Setup allowed per second.
- Listen Ports and Protocol
 - Inbound focus
 - Peer must match
- Federated IP/FQDN
 - Define for expected Peer(s)
 - Inbound focus
 - Calls from this peer will map to this Inbound SG.
- Media List ID

Define Transformation Tables and Entries

- Select Settings→Transformation
- Hit the Add button.
- Enter Description (Name) of the new Transformation Table, Hit OK. Add a brief description (limited space)
- Add Transformation Table Entries
- Input Field : used as “match” field for the “Type” specified. [use .NET Regex]
- Output Field : used to translate for “Type” specified. [“\1” maps to “()” in Input]

- For Called/Calling Number Types...provides digit manipulation : Adding or Removing digits.
- Type : Various call parameter “Types” can be “matched on” (Input) or “translated” (Output).
- Called number, Calling Number/Name, etc. User Values which can be used to perform Active Directory lookups for call routing purposes Transformation Table Entries provide ...
- Matching Logic for Route Selection (Input Field must match)
- Optional Translation process for Output Field call parameters (when matched on Input)
- May be used by multiple Call Routes
- Most Important Call Parameter “Type” for Routing Purposes is Called Address/Number
- Called Number Transformations are often required to send called number appropriately for specific destinations.

Create Call Routing Tables

- Select Settings→Call Routing Table
 - Hit the Add button.
- Enter Description (Name) of the new Call Routing Table, Hit OK.
- Add Call Route Entries
- Add Description (“to” focus)
- Admin State : Enabled
- Number/Name Transformation Table
- For Matching this Route & performing desired call Translations
- Destination Signaling Groups
- Outbound SG when using Route
- Media Transcoding
- Allow media transcoding if Outbound media list codecs do not match Inbound media codecs.
- Media List
- Media codecs supported Outbound

6 Redundant Proxy Configuration

Redundant Proxy configuration is done by adding Backup CIC IP in SIP Server table.

SIP Server Table

- Defines 1 or more **“next-hop” SIP servers** to be used as destination for a SIP Trunk.
 - Outbound focus only. Used by SIP Signaling Groups for next-hop connectivity.
 - “SIP Options” monitors this peer’s availability, to support re-routing features
- Must define Host (IP or FQDN), Port and Protocol