

Cisco SCCP Registration File Format Requirements

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Hardware Revisions:	SCCP Protocol	Status:	Approved
Product Type:	NetLink Wireless Telephones	Revision:	A
Access Level:	General		

Problem

The NetLink i640 or e340 Wireless Telephone does not register to the designated primary Call Manager (in the Device Pool list). Additionally the phone may display the error "Registration Rejection: Device Mismatch" upon registration.

Description

SpectraLink Wireless Telephones require .cnf formatted configuration files, not .cnf.xml files. These files instruct the phone as to which CallManager to register to and the specific phone emulation type. If they are not found the CallManager will download a default file called SEPDEFAULT.cnf which could be configured to point to the inappropriate CallManager (or configure it as the wrong phone emulation type) by default.

Examples of file formats:

(note that each phone has its own specific file (MAC address specific))

What we require: SEP00907A01C291.CNF

What we do not support: SEP00907A01C291.CNF.XML

Resolution

Ensure that the CallManager service "BuildCNFTType" is configured for "Build All" otherwise the Callmanager does not provide the SpectraLink Wireless Telephones with the proper configuration file format during the TFTP process during registration.



Overview of Registration Process

1. Obtain IP information via Dynamic Host Configuration Protocol (DHCP) if they have not been statically configured.
 - a. DHCP broadcast message exchanged from phone to determine DHCP server.
 - b. DHCP message exchanged from phone to determine other network information such as option 150 which details the TFTP server.
2. Obtain the configuration file.
 - a. Phone should receive via TFTP'd configuration file from TFTP server specified in option 150 of the DHCP message.
 - b. Phone expects the SEPxxx.cnf file telling the phone which CallManager to register to.
3. Phone Registration
 - a. Phone should register with the specific CallManager information received in the .cnf file.

