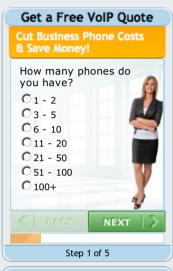
# Voip-Info.org A reference guide to all things VOIP



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### SS7 Point Code

Like IP addresses in TCP/IP networks, point codes in <u>SS7</u> networks identify individual network elments. Every element needs adress (a point code). Every link is considered point-to-point, but could be established from diffrent elements of <u>SS7</u> Network, so it could be named from A-Link (B-Link..., C-Link) to F-Link. In most cases you either use A-Link or F-Link.

Identification of international SS7 SP's(Signalling Points) is done using a Network Indicator NI=00 in the MTP(Message Transfer Part). Instead of our 24bit point code system, ISPCs (International Signalling Point Codes) are only 14bit.

#### ISPC Format:

SP ID= Signalling Point Identification

The first three most significant bits (NML) have a range of 0 to 7 The following eight bits (K-D) have a range of 000 to 255 The fields(bits) NML and K-D represent the SANC.

The three least significant bits (CBA) with a range of 0 to 7 identifies an SP when combined with the SANC. This is an ISPC. (ex, 3-133-7)

An IP address is a four byte (each has 8 bits) integer (so 32 bit in total), noted for convinence like that:

3-133-7

or in decimal





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## Ask a question

<u>IP PBX for small business</u> by <u>justme.warner</u> Thu 24 of Jul, 2014

Re: Cisco 7941G Standalone SIP Registration Stuck by <u>calum2014</u> Sat 19 of Jul,

Cisco 7941G Standalone SIP Registration Stuck by <u>calum2014</u> Sat 19 of Jul, 2014

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7 + 133\*8 + 3\*4096 = 12288 (dec)

or hex:

3000 (hex)

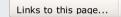
in \* you could use either the ISPC format ( so A-B-C) or decimal ( N ).

<u>Telcordia</u> Technologies is responsible for the administration and assignment of SS7 point codes in the United States and other North American Numbering Plan <u>NANP</u> countries.

#### See Also

- USA SS7 Point Code page
- UK SS7 Point Code page Ofcom are the public body that allocate Point Codes to telcos in the UK
- Germany SS7 Point Code page Bundesnetzagentur are the Federal Agency that allocate NSPC's to telcos in Germany
- □ ISPC Format Identification of international SS7 SP's(Signalling Points) is done using a Network Indicator NI=00 in the MTP(Message Transfer Part

Created by: admin, Last modification: Sun 03 of Jan, 2010 (17:49 UTC) by krzys



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