

July 22nd, 2026

draft-vyncke-intarea- legacy-registries-01

Authors: Éric Vyncke, evyncke@cisco.com

Presenter: Éric Vyncke

Motivation

- The IESG and the IANA have detected errors in some registries, many of them related to IPv4.
 - Often lacking the IANA registration procedures
 - Or completely no more use
- More details in the next slides
- This simple and short draft with proposed standards intended publication status contains all the fixes.
 - <https://datatracker.ietf.org/doc/draft-vyncke-intarea-legacy-registries/>

Empty (for good reasons), should never exist, to be deleted

IP Time to Live Parameter

Registration Procedure(s)

Not defined

Note

The current recommended default time to live (TTL) for the Internet Protocol (IP) is 64 [[RFC791](#)][[RFC1122](#)].

<https://www.iana.org/assignments/ip-parameters/ip-parameters.xhtml#ip-parameters-2>

Unused and to be closed

NetWare/IP Option Type 63 Sub-Option Codes

Registration Procedure(s)

Not defined

Reference

[\[RFC2242\]](#)

Available Formats



CSV

Value	Message Type	Reference
1	NWIP_DOES_NOT_EXIST	[RFC2242]
2	NWIP_EXIST_IN_OPTIONS_AREA	[RFC2242]
3	NWIP_EXIST_IN_SNAME_FILE	[RFC2242]
4	NWIP_EXIST_BUT_TOO_BIG	[RFC2242]
5	NSQ_BROADCAST	[RFC2242]
6	PREFERRED_DSS	[RFC2242]
7	NEAREST_NWIP_SERVER	[RFC2242]
8	AUTORETRIES	[RFC2242]
9	AUTORETRY_SECS	[RFC2242]
10	NWIP_1_1	[RFC2242]
11	PRIMARY_DSS	[RFC2242]
12-255	Unassigned	

<https://www.iana.org/assignments/bootp-dhcp-parameters/bootp-dhcp-parameters.xhtml#type-63-sub-options>

Lacking registration procedures: kept and set to FCFS (RFC 8126)

Terminal Type Names

Registration Procedure(s)

Not defined?

Reference

[RFC1091]

Note

These are the Official Terminal Type Names. Their use is described in [RFC930]. The maximum length of a name is 40 characters.

A terminal names may be up to 40 characters taken from the set of uppercase letters, digits, and the two punctuation characters hyphen and slash. It must start with a letter, and end with a letter or digit.

Available Formats



CSV

Terminal

Reference

ADDS-CONSUL-980
ADDS-REGENT-100
ADDS-REGENT-20
ADDS-REGENT-200
ADDS-REGENT-25
ADDS-REGENT-40
ADDS-REGENT-60
ADDS-VIEWPOINT

Machine Names

Registration Procedure(s)

Not defined

Reference

[TBD]

Note

These are the Official Machine Names as they appear in the Domain Name System HINFO records and the NIC Host Table. Their use is described in [RFC952].

A machine name or CPU type may be up to 40 characters taken from the set of uppercase letters, digits, and the two punctuation characters hyphen and slash. It must start with a letter, and end with a letter or digit.

Available Formats



CSV

Name

AMIGA-500
AMIGA-500/010
AMIGA-500/020
AMIGA-500/EC030
AMIGA-500/030
AMIGA-600
AMIGA-1000

<https://www.iana.org/assignments/terminal-type-names/terminal-type-names.xhtml#terminal-type-names-1>

<https://www.iana.org/assignments/machine-names/machine-names.xhtml#machine-names-1>

Lacking registration procedure: kept, registration set to IESG Approval

IP Option Numbers

Registration Procedure(s)

Not defined

Note

The Internet Protocol (IP) has provision for optional header fields identified by an option type field. Options 0 and 1 are exactly one octet which is their type field. All other options have their one octet type field, followed by a one octet length field, followed by length-2 octets of option data. The option type field is sub-divided into a one bit copied flag, a two bit class field, and a five bit option number. These taken together form an eight bit value for the option type field. IP options are commonly referred to by this value.

<https://www.iana.org/assignments/ip-parameters/ip-parameters.xhtml#ip-parameters-1>

More on IPv4 Options

- Very limited 5-bit code point range, with [0, 25] and [30] already allocated
- RFC 4727 (2006 by Bill Fenner) has reserved 4 experimental code points, the last addition to the registry
- RFC 6814 (2012) has deprecated [8, 14, 15, 17, 18, 19, 21, 23, 24]
- See also
 - Fonseca, R., Porter, G. M., Katz, R. H., Shenker, S., and I. Stoica, "IP Options are not an option", December 2005, <<https://www2.eecs.berkeley.edu/Pubs/TechRpts/2005/EECS-2005-24.pdf>>
- Registration procedure is set to "IESG Approval" RFC 8126

Ask to the Intarea WG

- Please comment and review on the list
- Let's start a WG adoption for this draft