

# **Telecommunications Standards Development Society, India (TSDSI)**

## **TSDSI Version Scheme**

**Version: v1.0.0**

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# 1. Introduction

## 1.1 Definitions:

### Version:

Group of characters represent a particular statement or document of a particular company or organization. It can be a combination of letters, numbers, and special characters but should be unique from one to another.

## 1.2 Properties of Version:

1. Version of document should be self-explanatory.
2. Easy to understand.
3. Future Proof
4. Should cover all the possible areas
5. All relevant information should be present in the name.
6. Should be chronologically correct.
7. Each and every change should be identified.

## 1.3 TSDSI Version Scheme:

**TSDSI HRC-XXX-[AAAA]-Vm.t.e-YYYYMMDD**

HRC - Human Readable Code

Ex: SG01, JIG01, etc. For more (See Appendix)

XXX - Standard/Specification number of a particular group (Ex: SG/WG/JIG)

XXX is one the numbers reserved by the particular group.

For example a group can reserve numbers as follows:

1-10, 13, 15, 99,111-120

[AAAA] - Optional Mnemonics

Ex: SI1 will be used as mnemonic for Study Item 1

Vm.t.e - Version

M-Major Version

T-Technical Revision

E-Editorial Revision

If e=0, no editorial revisions so far for the particular standard.

If t=0, no technical revisions so far for the particular standard.

Value of 'm' should start from 1. Initial version will be V1.0.0

YYYY - Year (Ex: 2014)

MM - Month of the Year (Ex: 01)

DD - Day of the month (Ex: 31)

**Example:**

**TSDSI-STD-100-[SI1]-V1.0.1-20141112**

## **1.4 Comparison of TSDSI version format with other SDO:**

After comparing ITU, IEEE, 3GPP, ETSI, IETF, etc it was found that we should mirror the following two formats and departing from them whenever it made usage and processing simpler.

### **1.4.1 ETSI Format:**

**ETSI DD Lxx xxx-z-w Vm.a.b**

Where:

- DD deliverable type (GS, TS, TR, ES, EG, EN)
- L 0 for Special Reports
- 1 for TS and TR
- 2 for ES and EG
- 3 for EN

xx xxx serial number (00 001 - 99 999)

(ISG) Lxx ISG abbreviation for GS a three-letter ISG name abbreviation shall be used

(ISG) xxx serial number for GS (001 - 999 per ISG)

z part number (if it exists) (1, 2, ... )

w sub-part number (if it exists) (1, 2, ... )

m major version number (1, 2, ... )

a technical version number (1, 2, ... )

b editorial version number (1, 2, ... )

**Example:**

**ETSI EN 300 123 V1.2.1**

### **1.4.2 3GPP Format:**

**SM[-P[-Q]]-V**

All 3GPP specifications have a specification number consisting of 4 or 5 digits. (e.g. 09.02 or 29.002). The first two digits define the series, followed by 2 further digits for the 01 to 13 series or 3 further digits for the 21 to 55 series.

The first categories have numbers of the form:

xx.9xx

The second categories have numbers of the form:

xx.8xx (feasibility study reports, etc)

Or, more rarely, 30.xxx / 50.xxx (planning and scheduling)

S = series number - 2 characters (see the table above)

M = mantissa (the part of the spec number after the series number) - 2 or 3 characters (see above)

P = optional part number - 1 or 2 digits if present

Q = optional sub-part number - 1 or 2 digits if present

V = version number, without separating dots - 3 digits.

***Example:***

**1. 21900-320 is 3GPP TR 21.900 version 3.2.0**

**2. 0408-6g0 is 3GPP TS 04.08 version 6.16.0**

**3. 32111-4-410 is 3GPP TS 32.111 part 4 version 4.1.0**

## **1.5 Why TSDSI Version Scheme is better?**

1. TSDSI Version Scheme is simpler.
2. Our Version scheme is self-explanatory
3. Can be tracked based on Standard Groups, Version, Date, Number.
4. Any optional values can be added, so future proof
5. Any individual or SDO can track our standards without any hassle.
6. TSDSI version has been divided into multiple sections for simplicity.
7. Every version has its own importance in specific field.
8. Each and every change has been noted with detail.
9. Covered all the aspects for naming a standard document.

## Appendix

### Human Readable Codes (HRC):

Activity types under Operation, Administration, and Management (OAM) of TSDSI	Human readable Code
Adhoc or Miscellaneous	AM
Minutes of meetings	MM
Orders and Resolutions of TSDSI non-standardization meetings	OR
Invoices (outbound related to fee and income for TSDSI)	XFEExx
Admission fee	FEE01
Annual fee	FEE02
Proforma invoices	PFEExx
Letters, emails and mails	xLXX
inbound letters	ILXX
outbound letters	OLXX
memo or internal letters	MLXX
Liaison	XSXX
inbound liaison from other SDOs	ISXX
outbound liaison to other SDOs	OSXX
internal liaison within SG/WG	To be considered as contribution
Contribution to standardization	XGXX
Study group	SGXX
Working group	WGXX
Miscellaneous	MG
Bank and tax documents	BTXX
CA certificate	BT01
Resolutions	BT10
Income tax	BT20
Expense (related to TSDSI)	xE
Operating expense	OE
Capital expense	CE
Expense (related to other SDOs)	xEXX
Membership to other SDOs	MEXX
Travel	TEXX
Society legal documents (registration, rental agreement, MoU, IPR policy, etc.)	XLDXX
Policy and procedure document	PLDXX
Government document	GLDXX
Miscellaneous	MLDXX
Website	XW
Design document of website	DW
Code documentation	CW
User document on how to use the website	UW

