

September 2022 Report on MCC task 160 and TTCN verification database

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ETSI

2 Sept 2002

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Progress

- ❑ **TTCN V140 delivered**
 - **Delivered on 10th July**
 - **Based on the core specs March 02, 34.123-1 V501**
 - **672 TC downloadable from T1S server**
 - **ETSI press release on this event (T1-020444)**
- ❑ **Available TC status**
 - **649 TCs verifiable**
 - **23 TCs compilable, but not verifiable**
 - **56 new TCs included**
- ❑ **89 TC without TTCN**
 - **59 TC have the prose ready, but no TTCN**
 - **30 TC have no TP**

TTCN changes

- ❑ **1300 changes done from V130 - > V140**
 - **74% followed the prose changes**
 - **7% followed the core specs changes**
 - **10% verification error reports**
 - **9% TTCN clean-up corrections**
- ❑ **Remarks:**
 - **Secured the funding and the expert contracts have resulted in**
 - **TTCN deliveries in timely manner (as required by GCF)**
 - **Being able to deliver the verified TTCN TC at the next T meeting for an eventual T-approval.**
 - **The peak of the TTCN changes due to the core specs and the prose changes are over (1300 – 1500 changes /version).**
 - **Test cases are not stable.**
 - **Import ASN.1 June 02 has been done**
 - **Minor changes needed**
 - **The change proportion due to the TTCN verifications is low**
 - **Encourage the industry to use and verify the TTCN TC.**

TTCN Status of GCF packages

- ❑ Based on the core specs March 02

	P1	P2	P3	P4
Verifiable TC	103	86	66	68
Compilable TC	-	9	1	-
Not available	2	6	18	-
No TP	-	1	14	-
Total	105	102	99	68

Contracts for 2nd half of 2002

Newly contracted/amended companies in task 160

Company	Subtasks	man-months
Fscom	TTCN maintenance	1
Cetecom	TTCN maintenance	1
Motorola	TTCN maintenance + 2G/3G HO	6 + 3
ECNU	TTCN maintenance + 3G/2G HO	7

To be contracted		
Motorola	New RAB TC in P2 + P3	6
Sasken	New RRC TC + TTCN maintenance	3
Total		24 + 3 mm

Next step

- Follow the core specs June 02
- Deliver V 150, containing the T1 CRs being approved at this meeting by Sept. 02
- Start 2G -> 3G HO
 - Two experts are working on it
- Two new experts will join to implement the new TC in P2 and P3

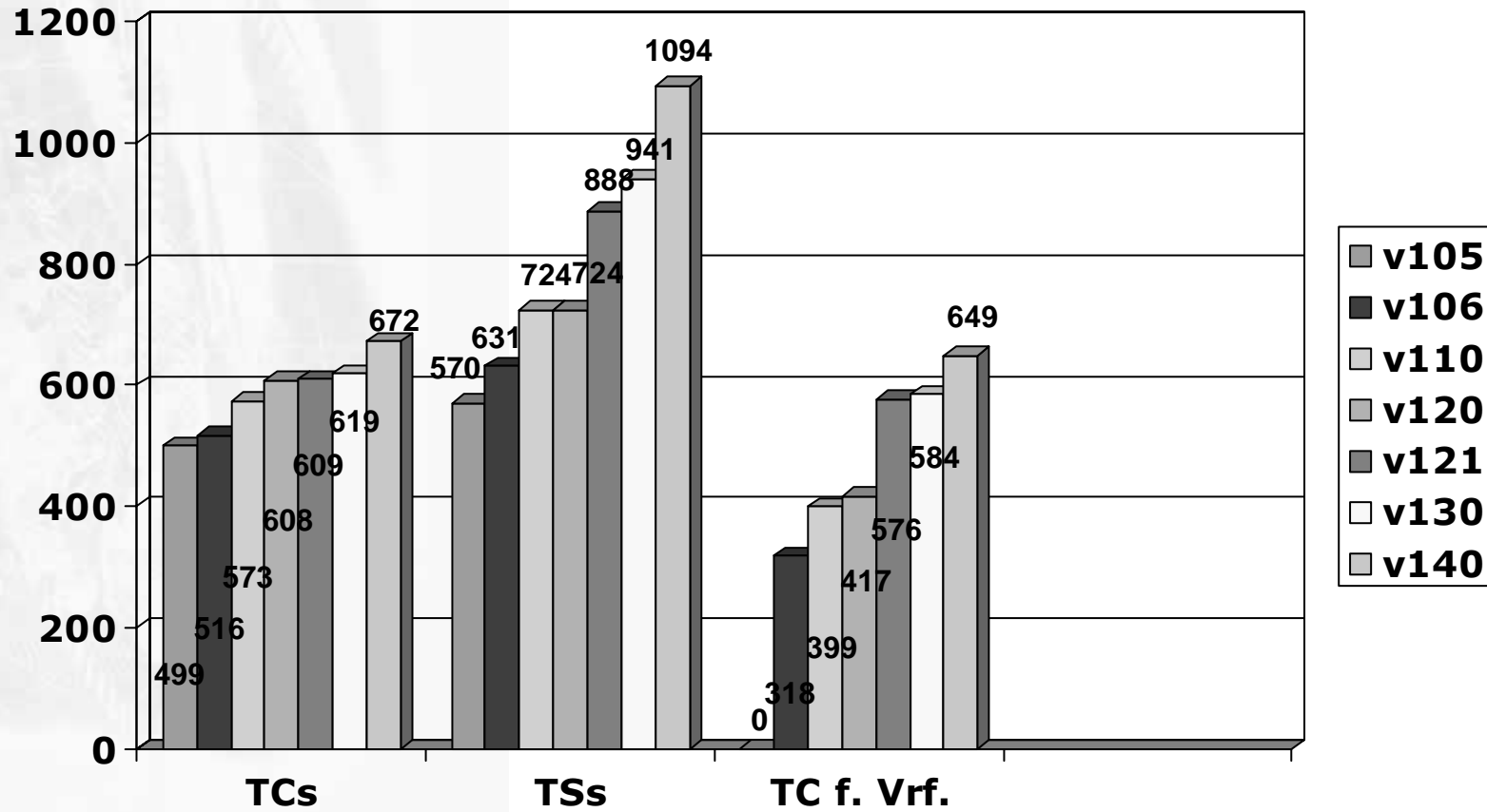
TTCN Delivery Plan (2002)

TTCN Version	Deliver Time	TC number	Comments
V120	Feb 02	600	T1#14, FDD tests based on R99 June 01
V121	April 02	600	T1S#22, an intermediate version on R99 June 01
V130	May 02	620	T1#15, all Package 1 test cases compilable, ASN.1 on March 02, only a part of test procedures updated
V140	July 02	650	Complete package 1, verifiable, based on March 02
V150	Sept 02	670	After T1#16, package 1 and a part of package 2 based on June 02,
V151	Nov 02	680	Whole package 2 compilable
V160	Dec 02	700	After T1#17, complete package 1 and package 2 verifiable

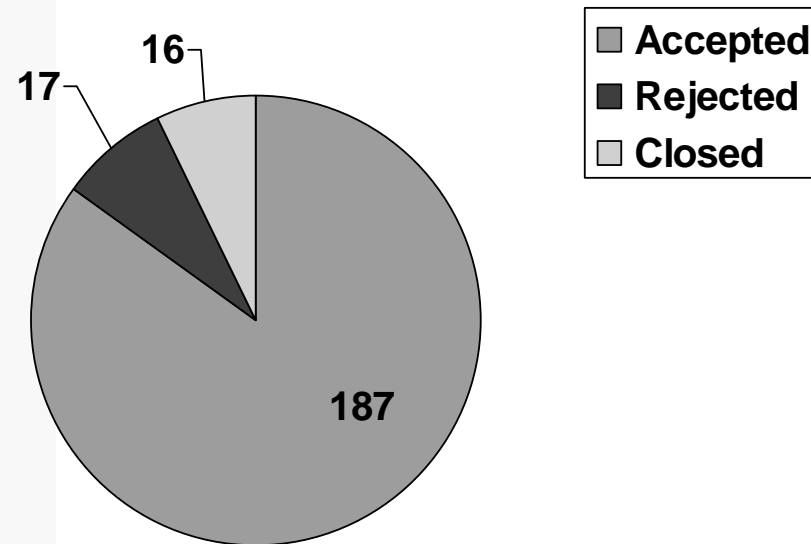
TTCN verification database

- ❑ **TTCN verification database contains 7 TTCN versions**
 - V105, V106, V110, V120, V121, V130, V140
- ❑ **447 problems have been received since the creation of the database**
 - 227 problems for TS, 220 problems for TC
 - 82 problem reports received since T#16
 - A problem stays open for 5 working days
 - All problem reports resolved / corrected in TTCN
- ❑ **26 TTCN TC (in V130) verified against the March 02**
 - **Nearly 25% TC in Package 1 have been verified.**
 - 25 TC in Package 1 and 1 TC in package 3
 - **Verified by simulation:**
 - 7.2.2.2, 7.2.3.15, 8.1.1.2, 8.1.1.3, 8.1.1.4, 8.1.1.5, 8.1.1.6, 8.1.1.7, 8.1.1.8, 8.1.2.9, 8.1.3.2, 8.1.5.1, 8.1.5.4, 8.1.7.1, 10.1.2.5.1
 - **Verified in a real environment**
 - 7.1.1.2, 7.1.1.8, 8.1.1.1, 8.1.2.1, 8.1.2.7, 8.1.3.1, 8.2.1.1, 8.2.3.1, 8.3.4.1, 8.4.1.1, 9.2.3

Total of TSs and TCs

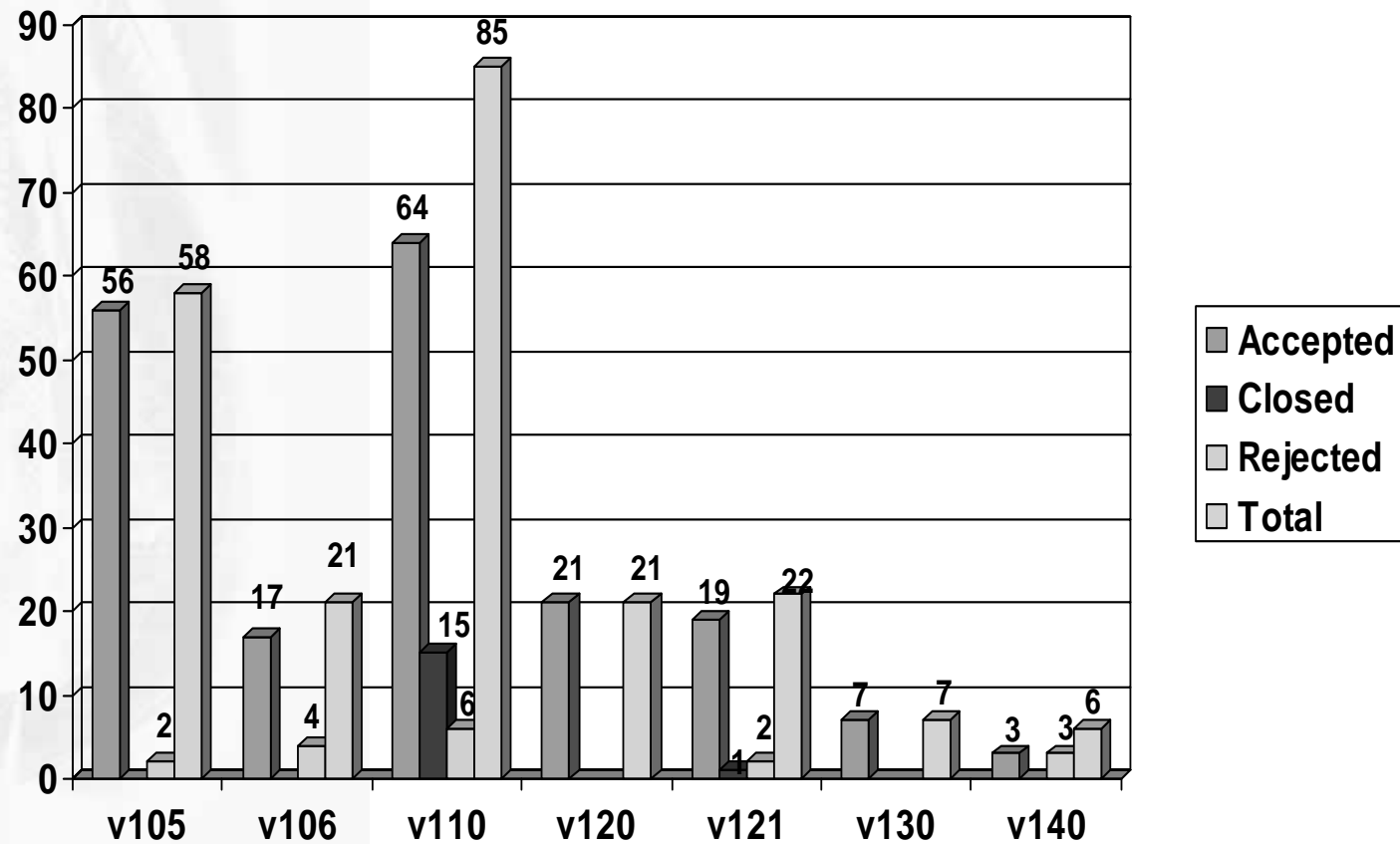


Total of TC problems: accepted/rejected/closed/open

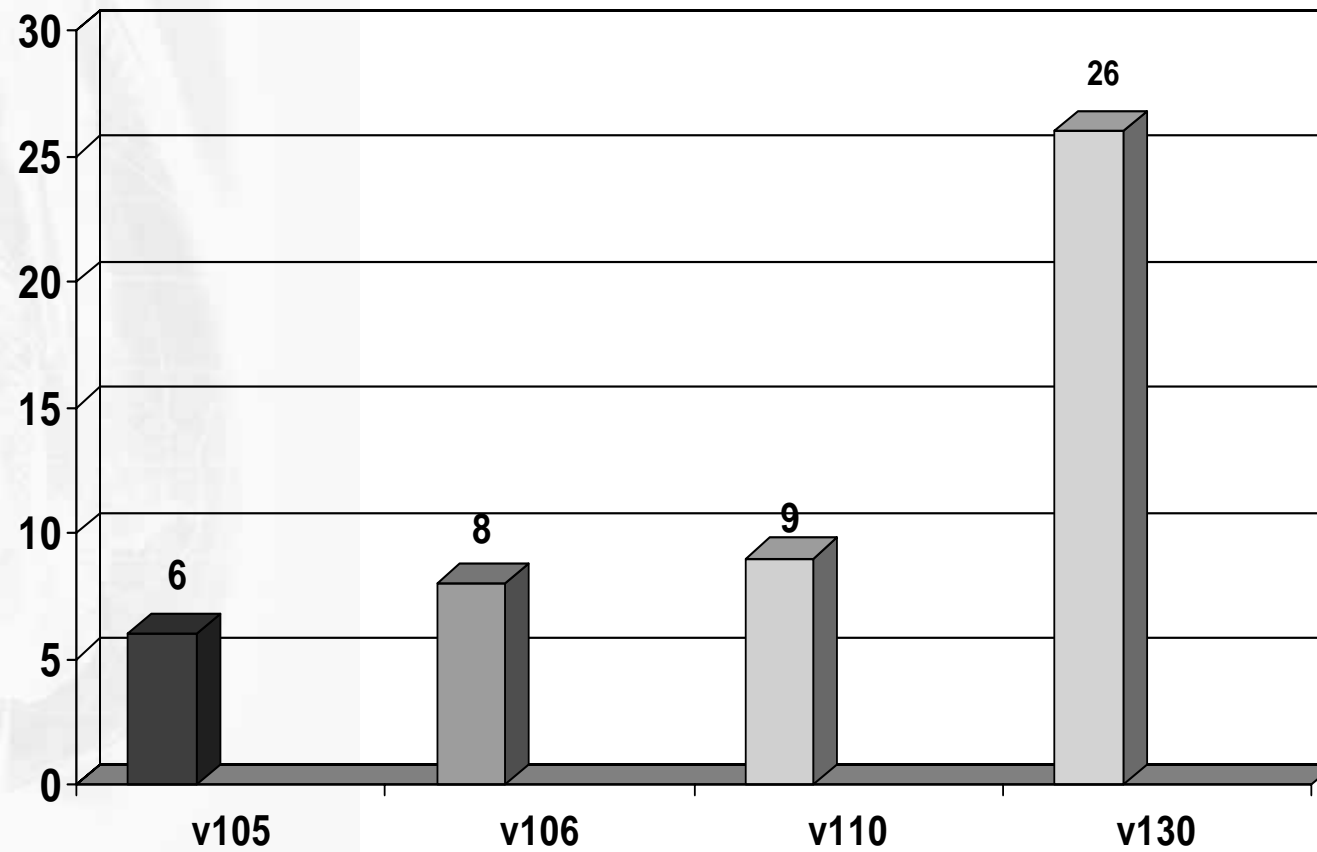


Total 220 reports received

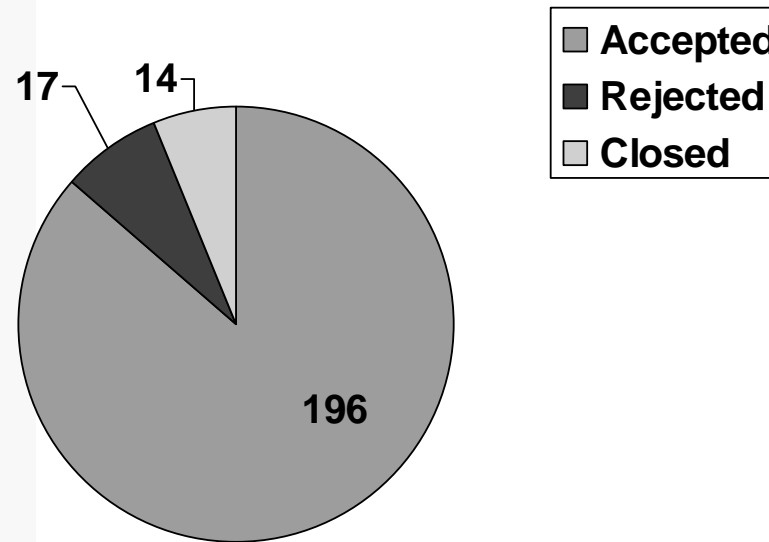
Total of TC problems per version: accepted/closed/rejected/open



Verified test cases



Total of TS problems: accepted/rejected/closed/open



Total 227 reports received

Total of TS problems per version: accepted/closed/rejected/open

