



# **June 2002 Report on MCC task 160 and TTCN verification database**

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# TTCN 2002 Funding

(MCC task 160 + 2G->3G HO)

	3GPP funding	GSMA funding	From other sources	Total funding needed per release
R99	30 mm	8 mm	1 mm (Samsung?) 6 mm (deficit)	45 mm
Rel-4	28 mm (contingency)	-	-	-
Rel-5	-	-	-	-
2G->3G HO	-	3 mm	3 mm (Motorola)	6 mm
Total funding per source	58 mm	11 mm	10 mm	



# Task 160 funding

- ❑ **3GPP granted 58 mm**
  - 30 mm for R99, contracted
  - 28 mm for Rel-4, as contingency, work not started yet
- ❑ **GSMA contributed 11 mm**
  - Result from the ETSI CL 2144 (TP-020004)
  - 8 mm for R99,
  - 3 mm for 2G ->3G HO
- ❑ **GSMA has two conditions**
  - Package 1 tests to be completed in Oct. 02
  - Another 10 mm (7 mm for R99 and 3 mm for 2G->3G HO) voluntary contributions must come from manufacturers
- ❑ **ETSI CL 2169 (TP-020138) distributed for the 3<sup>rd</sup> call for the voluntary contributions**
  - Ask all manufacturers to consider
- ❑ **MCC asks 3GPP financial committee to use the contingency 2002 as guarantee for the necessary contracts before receiving the voluntary contributions**

# Progress

- ❑ **March 02 ASN.1 imported**
    - Result V130 delivered End of May
    - ASP updated on the same ASN.1 version
  - ❑ **Based on 34.123-1, V420 and 34.108, V371**
    - Additional R99 CRs approved in T1S#22 implemented in TTCN
  - ❑ **General status: 616 TTCN TC available / 746 prose TC**
    - 578 TCs verifiable \*
    - 38 TCs compilable, but not verifiable (test method problems)
    - 130 (most new) TCs have not the corresponding TTCN
  - ❑ **Status of test package 1 (106 TC)**
    - All test cases have the corresponding TTCN TCs
    - 97 TCs verifiable\*
    - 9 TC compilable, but not verifiable (opened questions)
- \*Note: ASN.1 based on March 02, test cases need to be updated according the CRs agreed at this meeting



# Accelerated work plan for package 1

- ❑ **Set the working priority according to the guidance of TSG-T#15**
  - Accelerate the GCF test packages
  - Postpone the start of the Rel-4 test to 2003
- ❑ **Two additional experts will be contracted for the package 1 tests.**
  - 5 – 6 experts will work for the package 1 tests.
- ❑ **July delivery**
  - In the middle of July
  - Provide a complete GCF package 1 against the March 02 for verification
- ❑ **September delivery**
  - Provide the package 1 based on the June 02 core specs



## Status of package 2 - 4

- ❑ **Status of test package 2 (103 TCs)**
  - GCF deadline May 03
  - 79 TCs verifiable,
  - 9 TCs compilable, but not verifiable
  - 15 TCs TTCN not available, new TCs
- ❑ **Status of test package 3 (99 TCs, a few more TCs to be added)**
  - GCF deadline Nov 03
  - 47 TCs verifiable,
  - 7 TCs compilable, but not verifiable
  - 45 TCs, prose not completed, new TC, TTCN not available,
- ❑ **Status of test package 4 (68 TCs, more TCs to be added)**
  - GCF deadline May 04 ?
  - 68 TCs verifiable
  - New TCs, number is unknown



## Preparation for packages 2, 3 & 4

- ❑ **60 new TTCN TCs to be developed in TTCN**
  - **Start in Sept. 02**
- ❑ **Expected large prose CR for each package**
  - **In the 2<sup>nd</sup> half of this year**
- ❑ **3 deliveries for the package 2 - 4**
  - **Each package / quarter**
  - **End of 2002 for package 2,**
  - **End of March 2003 for package 3,**
  - **End of June (?) 2003 for package 4**
- ❑ **Please keep the experts of you company available in the MCC task 160**



## Preparation for 2G ->3G HO

- ❑ GSMA ordered 2G -> 3G HO TTCN TCs
- ❑ The TTCN drafting will start in July and complete by end of this year.
- ❑ It makes sense that the same SS for 3G->2G HO is applied to implementation of the 2G->3G HO.
- ❑ MCC will provide the necessary support.
- ❑ An additional Motorola TTCN expert will be contracted for 2G -> 3G HO
  - The expert will work with MCC task 160.
  - He is not the member of the MCC task 160.





# 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	650	After T1#16, complete package 1 and a part of package 2 based on June 02,
V160	Nov 02	650	Complete package 1, Whole package 2 compilable
V161	Dec 02	650	After T1#17, complete package 1 and package 2 verifiable



# TTCN verification database

- ❑ **TTCN verification database contains 5 TTCN versions**
  - **V105, V106, V110, V120, V121**
- ❑ **GCF priority list has been marked in database.**
- ❑ **365 problems have been received since the creation of the database**
  - **358 problems resolved / corrected in TTCN**
- ❑ **The verification is moving from the simulation towards the execution against UE**
- ❑ **10 TC verified against the June 01**
  - **Voice call TC verified**
  - **8 TC in package 1**

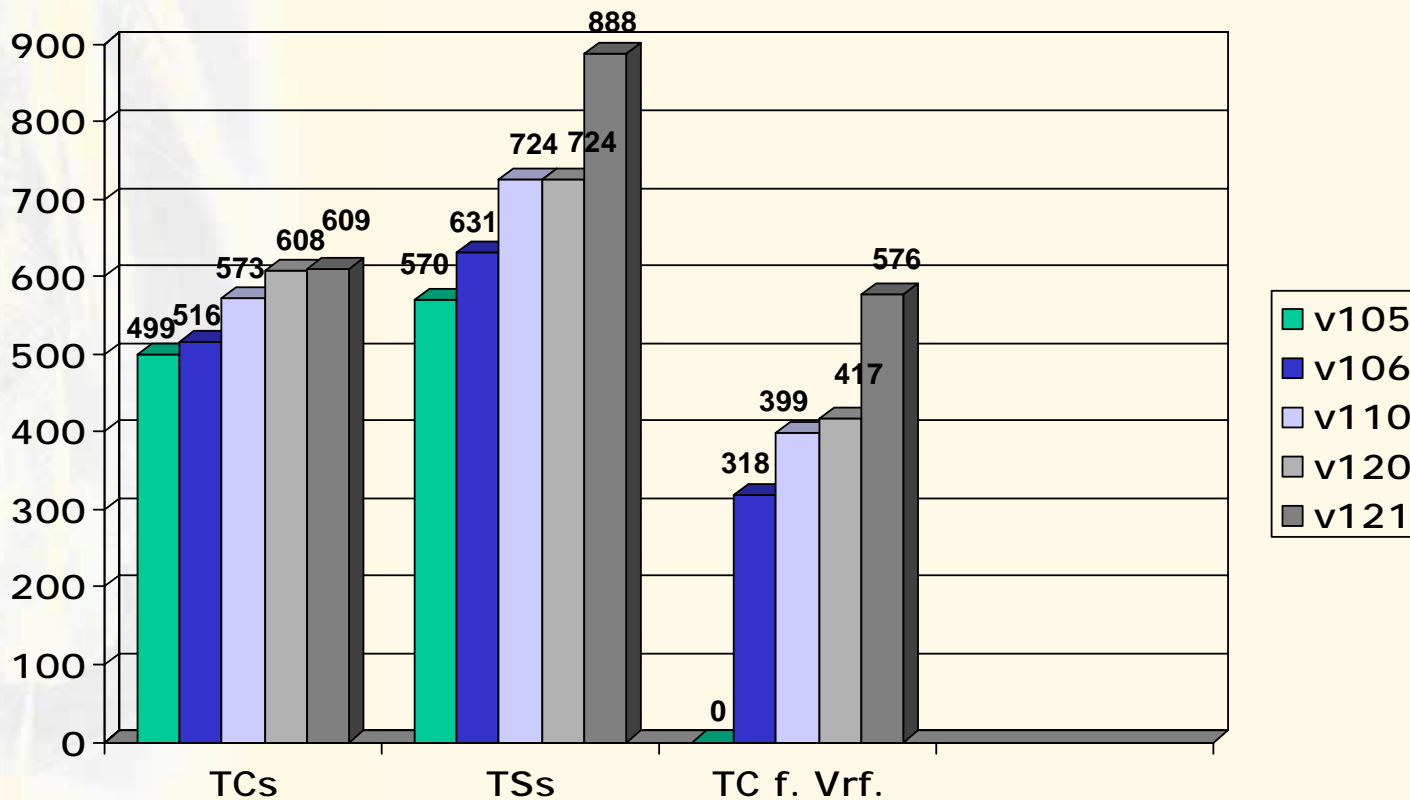
# Verified tests

## □ List of verified TTCN TCs

- 8.1.1.1 Paging for Connection in idle mode
- 8.1.2.1 RRC Connection Establishment in CELL\_DCH state: Success
- 8.1.2.2 RRC Connection Establishment: Success after T300 timeout
- 8.1.3.1 RRC Connection Release in CELL\_DCH state: Success
- 8.1.9 Signaling Connection Release Request
- 8.2.1.1 Radio Bearer Establishment for transition from CELL\_DCH to CELL\_DCH: Success
- 10.1.2.5.1 Outgoing call / U4 call delivered / CONNECT received
- 10.1.3.4.1 Incoming call / U7 call received / call accepted

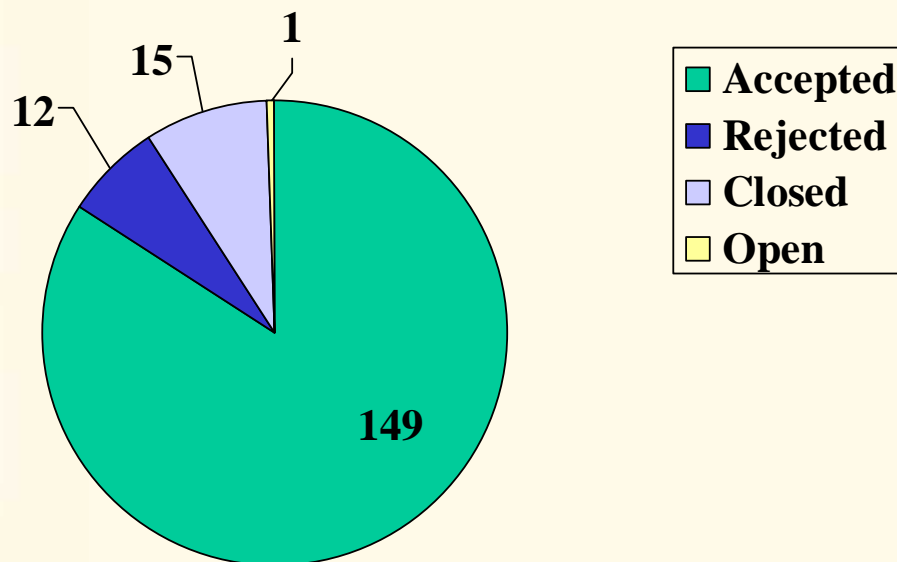


# Total of TSs and TCs





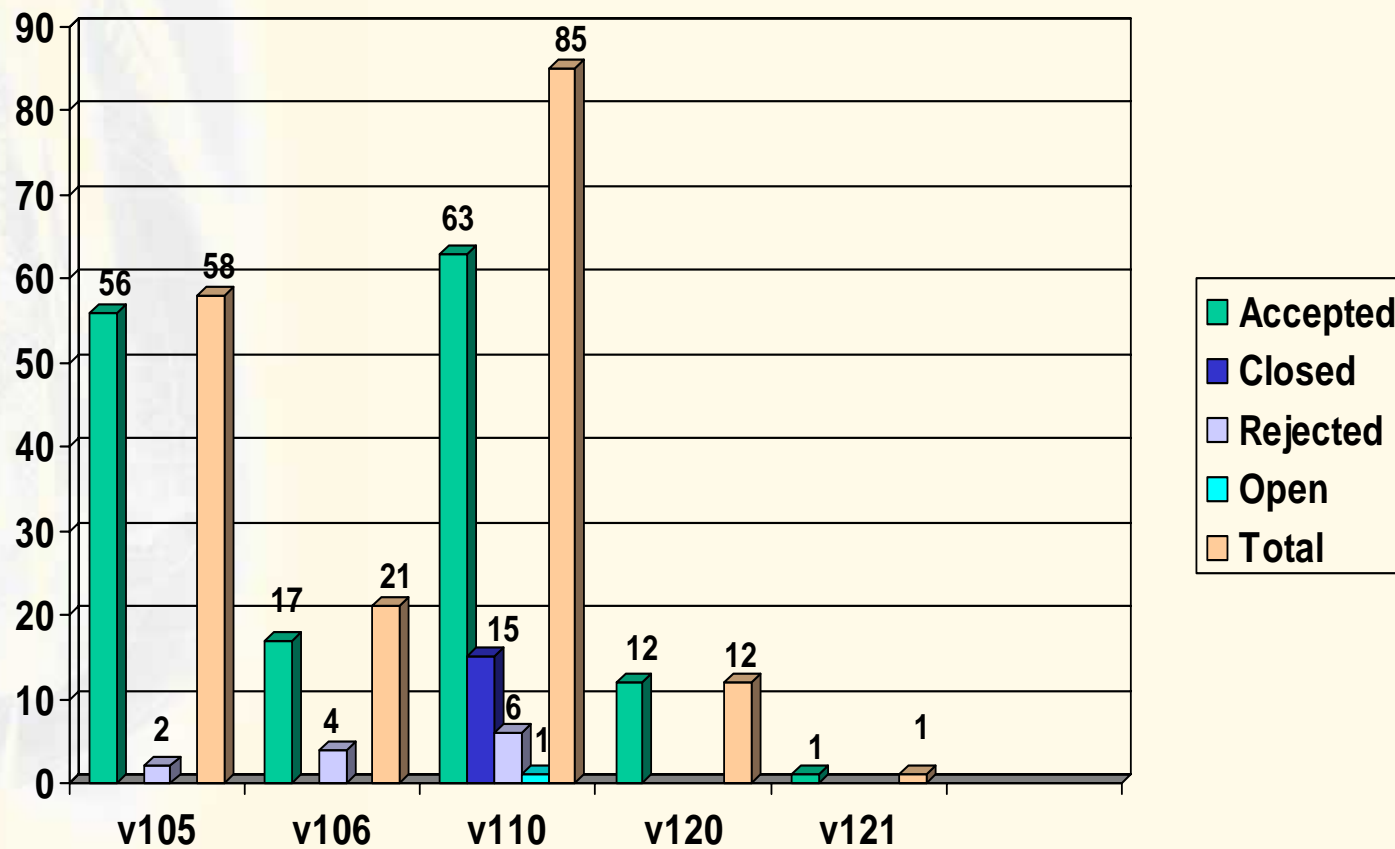
# Total of TC problems: accepted/rejected/closed/open



Total 177 reports received

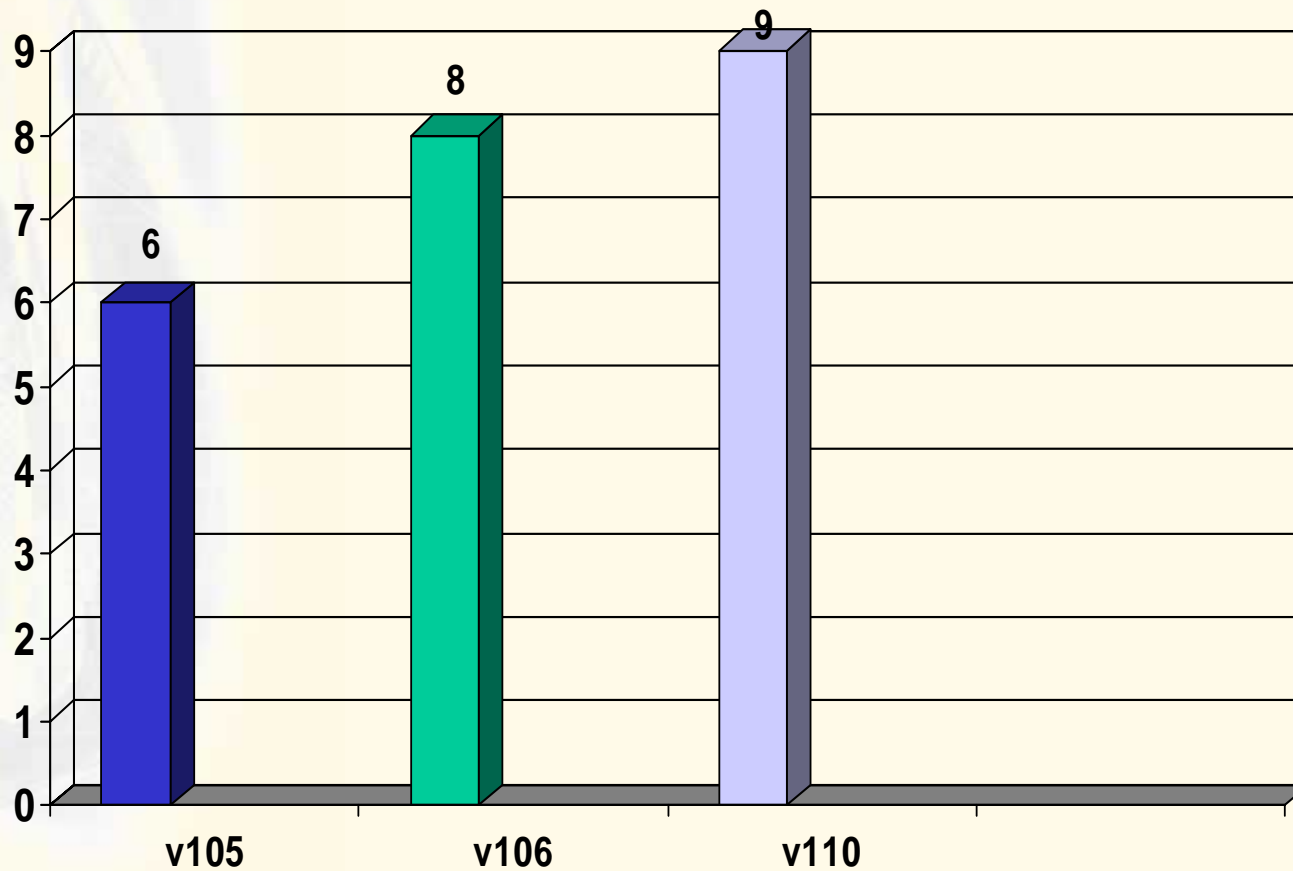


# Total of TC problems per version: accepted/closed/rejected/open



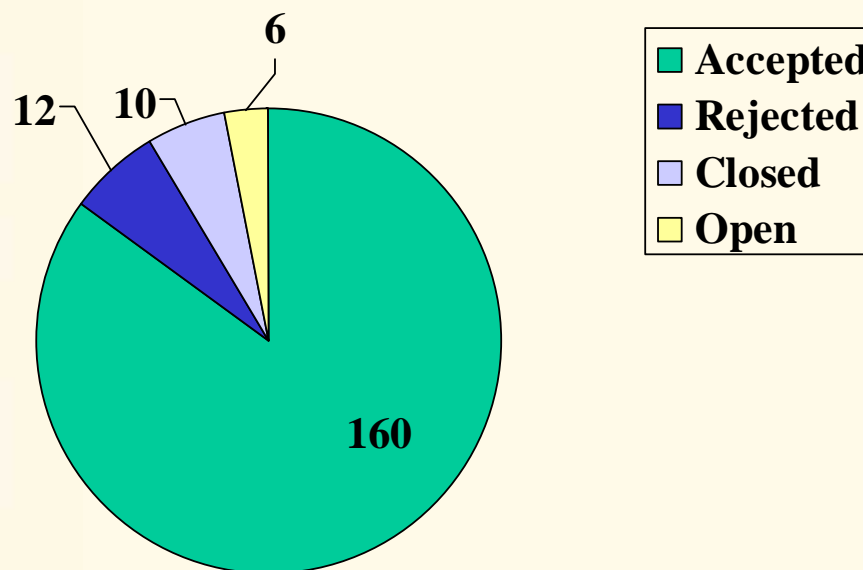


## Verified test cases





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



Total 188 reports received





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

