3GPP1 TSG (Common meeting) **Tdoc TSG#1(98)013**
Sophia Antipolis 7-8/12/98

Doc For	TSG SA	TSG CN	TSG RAN	TSG T
Decision				
Discussion	**X**			
Information		**X**	**X**	**X**

Agenda Item:

Source: TTC

Title: **TTC Work Items for IMT-2000 - System Aspect TSG**

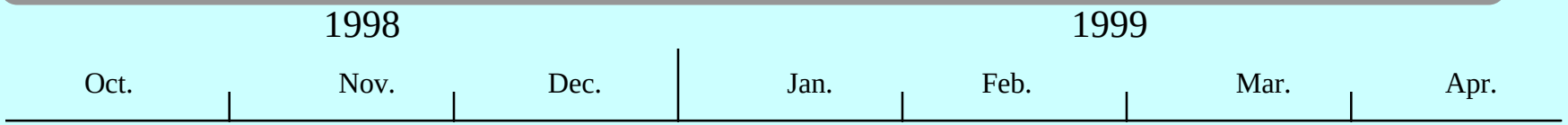
Document for: Discussion

Please see attached Presentation

TTC Work Items for IMT-2000
- System Aspect TSG -

3GPP System Aspect TSG
Sophia Antipolis, France
December 7-8, 1998
TTC SWG6-2-1 & 6-3-1

TTC's Overall Schedule for IMT-2000



3GPP

△ The end of Nov. determination of technical framework and work programme

△ Early Dec. Creation of PCGs and elect Chairmen

△ 7-11 Dec. or 14-17 Dec. Technical work starts

Proposed development schedule

△ Dec. 1998 Requirements and Objectives for Services and Systems

△ Dec. 1998 Air Interface Layer 1

△ Apr.. 1999 Other specification

Work Item: VHE

Requirements

- Support of Standardized GSM supplementary services
- Support of existing PDC operator specific services
- Support of Multimedia Services
- Support of Operator Specific HMI
- Support of Supplementary Service Control by Subscribers

Documents	System Configuration	Network Requirements	Information Flows
	✔	✔	✔

Work Item: High Speed Packet

Requirements

- Support various QoS requirements
- Co-ordination of Mobility Management for Circuit and Packet switched service
- Access point selection

Documents	System Configuration	Network Requirements	Information Flows
	✔	✔	✔

Work Item: High Speed Data

Requirements

- Various Bearer Capabilities
  (Voice, audio, video, data, unrestricted digital, etc.)
- Asymmetric Bearer

Documents	System Configuration	Network Requirements	Information Flows
	✔	✔	✔

Work Item: ATM

Requirements

- ATM as high performance transport technology
- AAL 2 as high efficient transport for voice call
- ATM-SVC for various QoS support and network efficient usage
- Mapping between GPRS and ATM-SVC

Documents	System Configuration	Network Requirements	Information Flows
	✔	✔	✔

Work Item: W-CDMA

Requirements

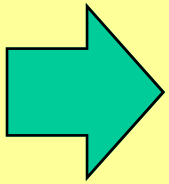
- Soft Handover (Diversity Handover)
- Handover Triggered from both MT and NW
- Service and QoS
- Protection of Security and Privacy
- Efficient Resource Usage
- MS Classmark Information

Documents	System Configuration	Network Requirements	Information Flows
	✔	✔	✔

Work Item: Routing

Requirements

- Efficient Usage of Network Resources
- Inter-network Signalling Optimization
- No Impact on Existing Network



- Introduction of GLR
- Paging for Multi-MSC
- Path Minimization
- Pre-Routing Paging

Documents	System Configuration	Network Requirements	Information Flows
	✔	✔	✔

Work Item: Call/Connection Control

Requirements

- Multicall Services
- Bearer Change
- Bearer Negotiation
- Bearer Modification
- Codec/Adaptor Control
- Security Enhancement
- Point-to-multipoint
- Emergency Call

Documents	System Configuration	Network Requirements	Information Flows
	✔	✔	✔

Annex: ToC of Information Flows (1)

[I] Circuit-Switch Service Information Flows

[II] Packet service and Packet-Circuit switch coordinated Information Flows

Annex: ToC of Information Flows (2)

Annex: ToC of Information Flows (3)