

Agenda Item: (tbd)

Source: Telenor

Title: Identifying specification which implements 3GPP
AKA.

Document for: Discussion

Candidate specifications for AKA-review

There are three principal areas of interest for the AKA-review:

- the access network
- the core network
- the UICC/USIM

The access network bit is dealt with by TS 24.008.

For the core network the principal specification is TS 29.002 (MAP). There are other specifications that also must be checked, but TS 29.002 is the primary one.

For the UICC/USIM case I must admit that I haven't had the time to investigate this.

Specification	Sections	Comments
22.060	5.4.3	GPRS stage-1 (probably not important)
23.008	2.3	Organization of subscriber data
23.009		Handover procedures
23.012		Location mngt stage-2
23.018		Basic call handling
23.060		GPRS stage-2
23.108		Mobile layer 3 (this is only ch.7 from 04.08)
23.119		GLR stage-2
24.007		Mobile layer 3 – General aspects
24.008	4.3.2, 4.4.4, 4.7.7, 9.2.1, 9.2.2, 9.2.3, 9.2.3.a, 9.4.9, 9.4.10, 9.4.10a, 9.4.11, 10.5.3.1-2, G.3	Mobile layer 3 – stage 3
25.411		RANAP
29.002	76.7, 8.1.4, 8.3.1, 8.5, 17.2.2, 17.3.2, 17.5-7, 19.1, 21, ...etc...	MAP (in which N2 has done little with respect to UMTS security!)
29.010	3.5, 4.2, 4.3	Info. element mapping
29.060	7.3.1, 7.3.2, 7.3.7, 7.3.8, 7.5.2, 7.5.5, 7.7.1, 7.7.7, 7.7.18, 7.7.27, 8.2	GTP (we must investigate further here)
29.119		GTP for GLR
29.120		MAP for GLR
31.101	11.16	UICC-Terminal interface; Physical and Logical ...
31.102	3.2, 3.3, 5.2.1, 6.1, 7.1, 7.3, A.1, C	Characteristics of the USIM Application

I have attempted to indicate in **bold** the specifications that should be reviewed. Needless to say, we should also check our own specifications to see if they are correct and consistent. The review as proposed is not complete, but it should cover the essential specifications.

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