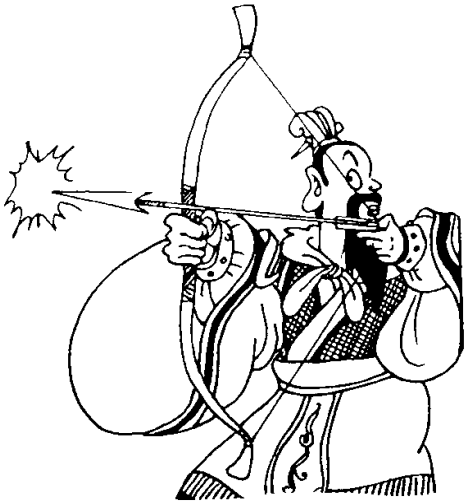
Status of “Upgrade-proposal” document

Target Dates

20.06.2011:	Outline and list of figures	(DONE)
27.06.2011:	Draft 0 (abstract for all sections)	(DONE)
15.07.2011:	Draft 1 (draft version of text)	(DONE)
16.09.2011:	Draft 2 (polished text + figures) -> distribute to ITS coll.	(In Progress)
< 03.10.2011:	Comments by ITS collaboration	
10.10.2011:	Draft 3 with comments from ITS -> distribute to ALICE	
< 31.10.2011:	Comments from ALICE	



2.5 months ago, there was no document,
now we have a draft for most chapters ...

Unfortunately, we had to give up our original target dates → they were moved by 3 weeks ...

More details ...

Colorcoding
GREEN ... "Polished" by the chapter editors
BLUE ... Complete Draft version
RED ... Incomplete Draft or empty

1 Introduction	**7 Pages**	**90%**
1.1 Introduction		90%
1.2 Current detector performance and limitations		90%
1.3 Motivations for upgrading		90%
1.4 Experimental conditions		90%

→ Will be reviewed once the other chapters are complete

2 Physics Motivation	**37 Pages**	**69%**
2.1 Current experimental situation in heavy-ion collisions and impact of the ITS upgrade		90%
.....		
2.2 Physics performance studies for the ITS upgrade		49%
2.2.1 Simulation methods		90%
2.2.2 D0 meson reconstruction as a benchmark for detector performance		90%
2.2.3 Charm baryons (Lambdac)		90%
2.2.4 B mesons at central rapidity		40%
2.2.5 Heavy flavour physics performance		10%
2.2.6 Long range correlations		10%
2.2.7 Competitiveness		10%

→ We are sill missing major parts in section 2.2 ...

More details ...

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3 Detector Functional Requirements	55 Pages	78%
3.1 Introduction		100%
3.2 General Design Considerations		100%
3.3 Simulation tools and procedures		90%
3.4 Detector parameters		90%
3.5 Impact parameter resolution		100%
3.6 Tracking performance (efficiency and resolution)		100%
3.7 PID performance		90%
3.8 Trigger capabilities		5%
3.9 Readout rate capabilities		5%
3.10 Radiation environment		90%
3.11 Redundancy		90%

→ Good progress but ongoing discussion regarding efficiencies for the different scenarios ...

More details ...

4 Detector Technical Implementation	**37 Pages**	**100%**
4.1 Introduction		100%
4.2 Technology Options for Pixel Detectors		100%
4.3 Technology Options for Strip Detector		100%
4.4 Readout and control electronics		100%
4.5 Irradiation Plans		100%
4.6 Testbeam Plans		100%
5 Mechanics, Services and Integration	**41 Pages**	**83%**
5.1 Introduction and System Overview		100%
5.2 Conceptual design integration and mechanics		90%
5.3 Cooling studies, R&D and prototyping		100%
5.4 Beam pipe design		100%
5.5 Detector and beam-pipe installation		100%
5.6 Services		10%
6 Cost Estimate, Time Schedule and Participating Institutes	**1 Page**	**0%**
6.0 Empty emptiness		0%

Excellent progress here, chap.6 will be written at the very end ...

Conclusion

- Unfortunately, we **had to extend the deadlines** by three weeks
- **READINESS OF THE DOCUMENT -> ~ 70 %**

  (to be compared to 41% from our last plenary session)
- For the document to be ready for comments, we should aim for the full 100% so that people do not comment on text which will be changed later on ...