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Deadline:	**n/a**	**Supersedes: –**	
Status:	FOR DISCUSSION		

TITLE	**Understanding the restructuring proposal in N112**
PROJECT	FGQT Roadmap
REFERRING TO	“draft”
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ABSTRACT

N112 is a proposal to restructure the roadmap document, and the text gives the impression that it deals with a radical change which needs a fundamental discussion before we can make a decision about it.

This late contribution is only intended to give guidance to such discussion, such that we can get consensus in the end.

1. Situation sketch

N112 proposes a restructuring from the the roaddocument, and by using words like “new structure”, “old structure” and “transition period” it looks like a proposal to change matters radically. Therefore, I tried to understand first what is actually being proposed in N112, and if it is really a radical change proposal?

The table below is a comparison of the present table of content in N020 and my understanding of N112

Present TOC, N020	Proposal in N112
1 Introduction	1 Introduction
2 Standardisation	2 Standardisation
3 Terminology	3 Terminology
4.1 Enabling Technologies	4.1 Enabling Technologies
	4.2 Components and subsystems
4.2 Quantum Communication 4.3 Quantum Computing 4.4 Quantum Simulation 4.5 Quantum Metrology and Q sensing	4.3 Platforms and subsystems - a. Quantum Communication systems - b. Quantum computing & Quantum simulation - c. Quantum systems for metrology & sensing - d. <something very similar with a>
	4.4 Composite systems ➔ restricted mainly to Quantum communication
5. Innovation and Use cases	4.5. Use cases, economically and societally relevant applications
6 Conclusions	5. Outlook and Conclusions

So my understanding is that N112 essentially proposes two new topics (numbered as 4.2 and 4.4) and follows in their 4.3 more or less the present structure.
If this is a correct understanding, why can’t we simply add those two new topics to the existing roadmap structure in N020?. And wouldn’t it even be better to allocate dedicated chapter numbers to the different topics, as suggested in the table below. When needed we can always merge quantum computing and quantum simulation in the same chapter, but let’s decide later on that.

Suggestion
1 Introduction
2 Standardisation
3 Terminology
4 Enabling Technologies
5 Components and subsystems
6. Quantum Communication 7. Quantum Computing 8. Quantum simulation 9. Quantum systems for metrology & sensing
10 Composite systems ???? ➔ restricted mainly to Quantum communication
11. Use cases, economically and societally relevant applications
12. Outlook and Conclusions