

Contents	Page
FOREWORD.....	4
INTRODUCTION.....	6
1 Scope.....	7
2 Normative references.....	7
3 Terms, definitions, and abbreviated terms	7
3.1 Terms and definitions.....	7
3.2 Abbreviated terms.....	8
4 Overview of the roadmap	8
4.1 General.....	8
4.2 Stages.....	9
4.3 Roadmap tracks	10
4.3.1 General	10
4.3.2 Regulatory and policy	10
4.3.3 Business models and value realization	10
4.3.4 System design and architecture	10
4.3.5 Physical and cyber technologies and infrastructure.....	10
4.4 Swim lane definitions	11
4.5 Organization of material	11
4.6 Core concepts	12
4.6.1 General	12
4.6.2 Questions to bear in mind	12
4.6.3 Benefits and enablers summary	13
5 Regulatory and policy	13
5.1 General.....	13
5.2 Vision – what we hope to see at each stage.....	14
5.3 Enablers – elements required if the vision is to be realized	15
5.4 Results – outcomes made possible by new patterns of use	16
5.5 Benefits – how these outcomes add value	17
6 Business models and value realization	17
6.1 General.....	17
6.2 Vision – what we hope to see at each stage.....	18
6.3 Enablers – elements required if the vision is to be realized	19
6.4 Results – outcomes made possible by new patterns of use	20
6.5 Benefits – how these outcomes add value	21
7 System design and architecture	22
7.1 General.....	22
7.2 Vision – what we hope to see at each stage.....	23
7.3 Enablers – elements required if the vision is to be realized	24
7.4 Results – outcomes made possible by new patterns of use	25
7.5 Benefits – how these outcomes add value	26
8 Physical and cyber technologies and infrastructure	27
8.1 General.....	27
8.2 Vision – what we hope to see at each stage.....	28
8.3 Enablers – elements required if the vision is to be realized	29
8.4 Results – outcomes made possible by new patterns of use	30

8.5	Benefits – how these outcomes add value	31
Annex A (informative)	Core concepts.....	33
A.1	General.....	33
A.2	Regulatory and policy	33
A.3	Business models and value realization.....	33
A.4	System design and architecture	33
A.5	Physical and cyber technologies and infrastructure.....	34
	Bibliography.....	35
Figure 1	– Distribution system evolution	9
Figure 2	– Example benefits and enablers for the "regulatory and policy" track.....	14
Figure 3	– Example benefits and enablers for the "business models and value realization" track	18
Figure 4	– Example benefits and enablers for the "system design and architecture" track.....	23
Figure 5	– Example benefits and enablers for the "physical and cyber technologies and infrastructure" track.....	28
Table 1	– Example vision table	11
Table 2	– Example enablers table	11
Table 3	– Example results table	12
Table 4	– Example benefits table	12
Table 5	– Regulatory and policy vision (RPV)	15
Table 6	– Regulatory and policy enablers (RPEs)	16
Table 7	– Regulatory and policy results (RPRs)	16
Table 8	– Regulatory and policy benefits (RPBs)	17
Table 9	– Business model and value realization vision (BMV)	19
Table 10	– Business model and value realization enablers (BMEs).....	20
Table 11	– Business model and value realization results (BMRs).....	21
Table 12	– Business model and value realization benefits (BMBs)	22
Table 13	– Design and architecture vision (DAV)	24
Table 14	– Design and architecture enablers (DAEs)	25
Table 15	– Design and architecture results (DARs).....	26
Table 16	– Design and architecture benefits (DABs)	27
Table 17	– Physical and cyber technologies and infrastructure vision (PCV).....	29
Table 18	– Physical and cyber technologies and infrastructure enablers (PCEs)	30
Table 19	– Physical and cyber technologies and infrastructure results (PCRs).....	31
Table 20	– Physical and cyber technologies and infrastructure benefits (PCBs).....	32