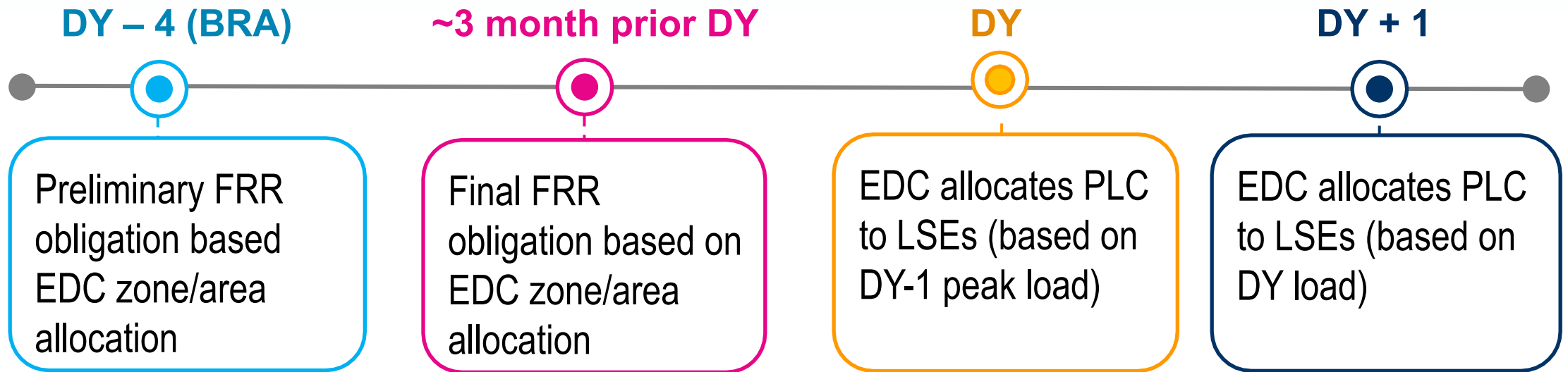




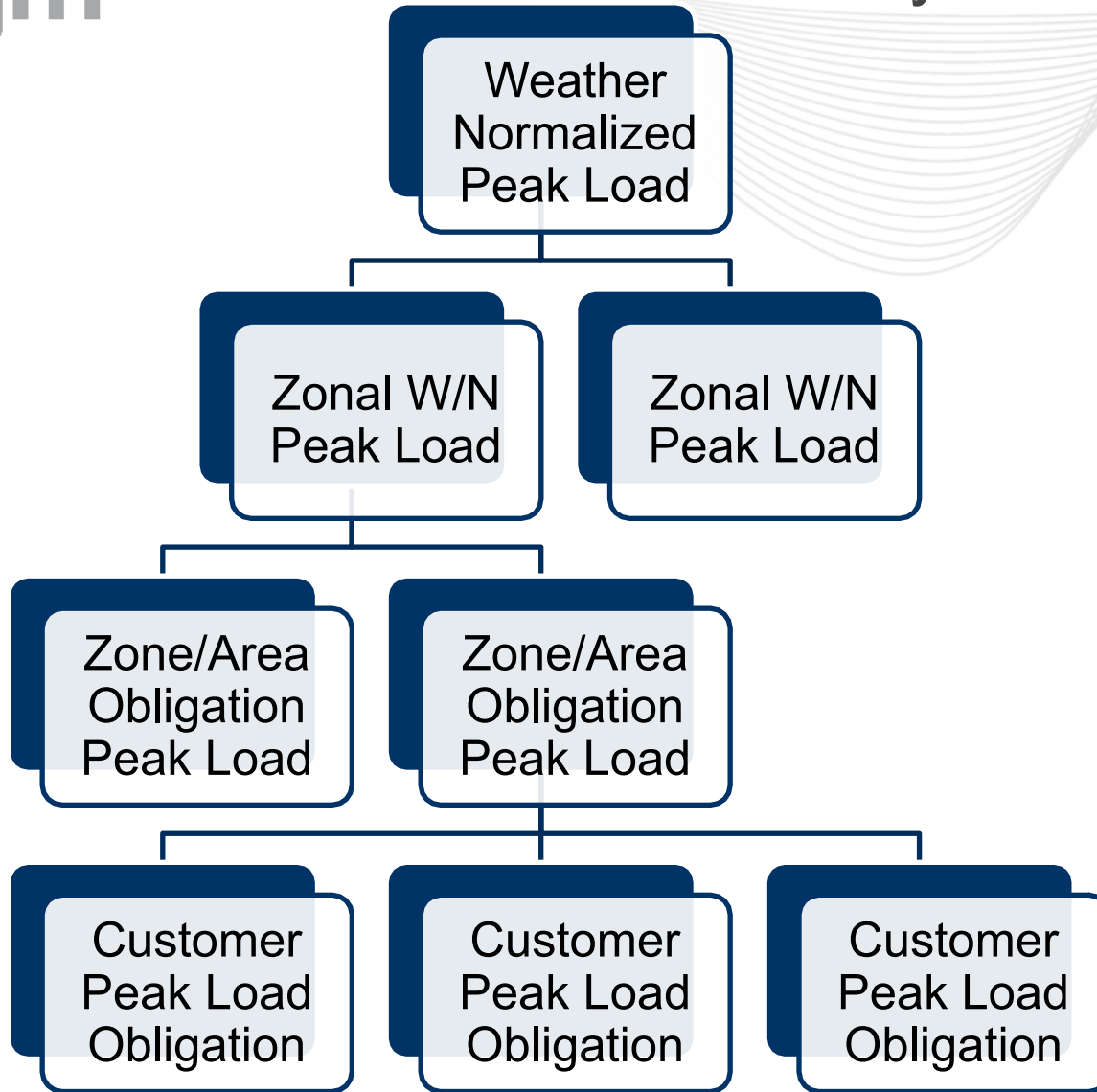
FRR Obligation Education

Market Implementation Committee
October 4, 2023

FRR obligations are based on historic zone/area obligation peak loads



Key terms and associated relationships



This is ICAP. To convert to UCAP must increase for forecast, FPR and RPM purchases



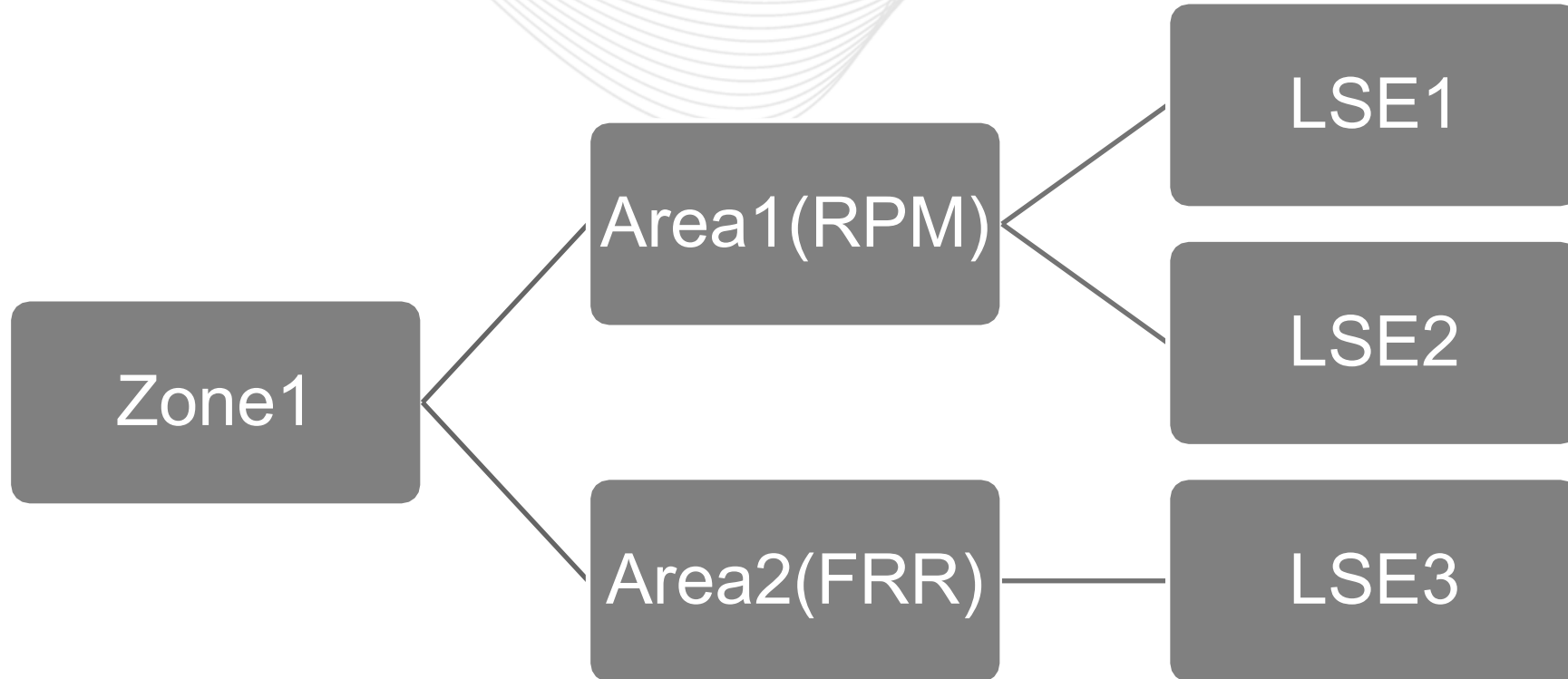
Step 1 – Determine preliminary FRR UCAP obligation

BRA for 2024/2025 DY					
FPR	1				
2020 Zonal W/N Peak (A)	1,000				
2024 Forecast (B)	1,100				
Large Load Adjustment (C) (Table B-9)	100				
Total 2024 Forecast (D=B+C) (Table B-10)	1,200				
Base Zonal Scaling Factor (E=D/A)	1.20				
RPM/FRR	Zone/Area	Obligation Peak Load (2021 based on 2020 load)*	FRR UCAP Obligation for 24/25 DY		
RPM	Zone1/A	100			
RPM	Zone1/B	200			
RPM	Zone1/C	300			
FRR	Zone1/D	100	120		
FRR	Zone1/E	300	360		
	Total RPM	600			
	Total FRR	400			
	Grand Total	1,000			
	2024/2025 UCAP Obligations				Large Load Adjustment
	RPM 24/25 Obligation		720	60%	60
	FRR 24/25 Obligation		480	40%	40
	Total		1,200		



Step 2 – Determine Final FRR UCAP obligation

Pre - 2024/2025 DY					
FPR	1				
2023 Zonal W/N Peak (A)	1,075				
2024 Forecast (B)	1,100				
Large Load Adjustment (C) (Table B-9)	100				
Total 2024 Forecast (D=B+C) (Table B-10)	1,200				
Final Zonal Scaling Factor (E=D/A)	1.12				
RPM/FRR	Zone/Area	Obligation Peak Load 2024 (based on 2023 load)	FRR UCAP Obligation for 24/25 DY		
RPM	Zone1/A	130			
RPM	Zone1/B	225			
RPM	Zone1/C	300			
FRR	Zone1/D	120	134		
FRR	Zone1/E	300	335		
	Total RPM	655			
	Total FRR	420			
	Grand Total	1,075			
	2024/2025 UCAP Obligations				Large Load Adjustment
	RPM 24/25 Obligation		731	61%	61
	FRR 24/25 Obligation		469	39%	39
	Total		1,200		



One RPM Zone/Area may have 1 or more LSEs where the LSE may change on any given day during the Delivery Year (deregulated retail market)

Step 3 – Large load adjustment applied to specific LSE Obligation Peak Load

100 MW Large Load Adjustment will be assigned for customer to this LSE

FRR/RPM	Zone/Area	LSE	OPL DY (24/25)	OPL DY+1 (25/26)
RPM	Zone1/A	LSE1	130	133
RPM	Zone1/B	LSE2	225	230
RPM	Zone1/C	LSE3	150	153
RPM	Zone1/C	LSE4	150	153
FRR	Zone1/D	FRRLSE	120	122
FRR	Zone1/E	FRRLSE	200	204
FRR	Zone1/E	FRRLSE	100	102
		FRR Total	655	668
		RPM Total	420	428
		Total	1,075	1,097

If EDC assigns large load adjustment to LSE3, then may recognize in 24/25 (150+100=250) if new customer OR 25/26 (153+100=253) if existing customer

Large load addition may be in 24/25 or not until 25/26 depending on whether it is existing customer load increase or new customer and associated EDC allocation process



- FRR Scaling Factors: RAA 8.1.D
- Load Obligations: Manual 18 Section 7

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FRR Obligation Education



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