

	Scheduled Constraint Management	Pre-Fault Constraint Management		Post-Fault Constraint Management	Restoration Support	Notes
		Manual	Automatic			
Minimum / maximum bid size	100kW minimum capacity (can aggregate within area); no maximum					
Minimum / maximum duration	0.5hr minimum; longer is more valuable			3hr minimum; longer is more valuable		For Restoration Support, longer durations are more valuable as they allow for other contingency measures to be taken, such as getting standby generation out to site.
Definition of congestion point (identification of the congested area)	Infrastructure-dependent, although will tend to be 'below' the congested asset(s) in terms of voltage. Will be more clearly articulated articulated as part of procurement exercise.					
Bidding period (time granted to the market parties to offer bids)	Months ahead					
Selection period (time required by the DSO to select the bids which will be activated)	Months ahead					
Activation period (time before activation signal and ramp up period)	Months ahead	Closer to real time (depends on driver) - e.g. day-ahead; week-ahead	Real time (pre-fault; time TBC)	Real time (post-fault; time TBC)	Real time (post-fault; time TBC)	
Maximum ramping period	Scheduled, so not an issue...		Of the order of minutes (i.e. 'fast', with link to short-term ratings;	N/A		
Minimum full activation period	2 hours	30 minutes (link with granularity of metering)			At least 3 hours	
Mode of activation	Scheduled	Manual	Automatic (or manual, depending on post-fault distribution asset capability)	Automatic (triggered by signal from DSO)	Manual	
Availability windows	Defined at procurement according to requirement (e.g. could be winter weekday evening peaks)				N/A - 'as required'...	
Maximum number of activations (per day, per week, per year)	Scheduled - most likely on a 'one call per day/ basis	Defined at procurement according to requirement			TBD	
Recovery time: Minimum time between activations	Scheduled - most likely on a 'one call per day/ basis	Defined at procurement according to requirement			N/A	
Baseline methodology (basis upon which availability is assessed/delivery is compensated)	TBC (likely to vary both by product and by technology of provider)					
Measurement requirements	Minute-by-minute metering					
Aggregation allowed	Yes (within appropriate geographical area)					
Penalty for non-delivery (fixed or dependant on the bid size and/or duration, €10.000, €1.000, ...)	Loss of revenue; impact on future procurement/utilisation, and potential for termination of contract Consideration needs to be given to how to ensure the protection of the network - for example whether we need to establish a back-stop tripping capability				N/A	