INDEPENDENT MARKET OPERATOR



2 May 2013

Certification of Reserve Capacity

Defines:

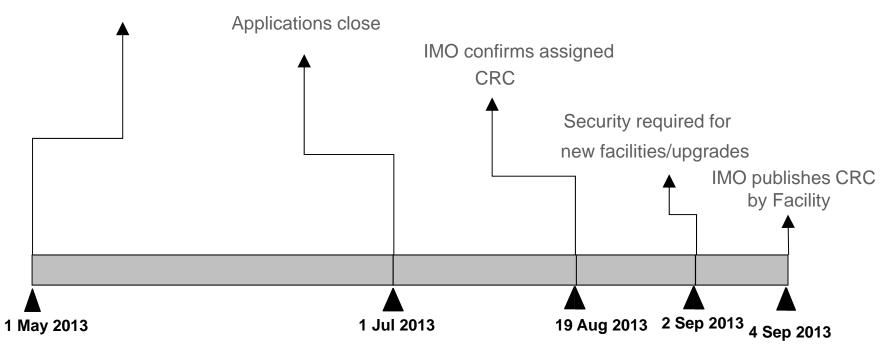
 conditions for certification for existing, new and upgraded facilities on a yearly basis (MR's 4.10 & 4.11)

Mechanism for:

- new Certified Reserve capacity to enter Market and existing capacity to
 obtain continued certification
- Market Participants to underwrite new projects through guaranteed revenue stream

2013 Cycle for the 2015/16 Capacity Year Timeline

Applications open



2013 Cycle for the 2015/16 Capacity Year – Key Dates

- 1 May 2013
- applications open
- 1 July 2013
- applications close
- 19 August 2013
- IMO notifies Participants of assigned CRC
- 2 September 2013
- security required for New Facilities/Upgrades
- declaration of CRC traded bilaterally vs. offer into Auction
- 3 September 2013
- IMO confirms bilaterally tradeable capacity with Market Participants
- 4 September 2013
- IMO publishes CRC for each Facility

Information Requirements

Information requirement details:

- MR 4.10
- 'Information for Applications for Certification of Reserve Capacity' user-guide on IMO website <u>http://www.imowa.com.au/f179,2624863/Microsoft_Word_-</u> <u>Information_for_Applications_for_Certification_of_Reserve_Capacity.pdf</u>
- summary excel spread-sheet shown below for submission to IMO in hard-copy or via
 email
- all documentation must be received before the close of the certification window

	Rule Requirement	Rule Requirement	Market Rule 4.10.1	Market Participant Response
All Pacifilies		WEMS Short name	100	
All Facilities	Reserve Capacity Cycle	Relevant Reserve Capacity Cycle	(b)	
		Hetwork Access	(i) (Ad)	
		Environmental Approvals	(c) ii	
				Will be completed and supporting documentation for each
F	Is the Facility or part of the Facility yet to	Financing Finalised Date	(c) III 2 (c) III 3	
Pacificies yet to enter service	isotra of a control of the set of the			
		equipment installation complete Commissioning trials start	(c) III 5 (c) III 6	
		First capable of meeting Reserve Capacity Obligations	(c) III 7	
Pacifities due To	Planned Decommissioning Date			
Decommission				
Al Pacifica	Description of the Main Components			
		Additional max sent out capacity @ 41 oC	(e) iii	
		Method of measurement of Ambient	feet by	
Scheduled Generators	for a generation system other than an Intermittent Generator:			
		Primary Fuel	(e) v	
		Secondary Fuel	(e) ×	
	1	Any other factors that may effect fuel supply arrangements		
Art manual Second Second Call Distance Second Call D	The expected forced outage rate based on manufacturer mata.	(0) 91		
		for longer than 12 months) Universit Outside rate (if Facility has onerated		
		for longer than 12 months)	(e) vii	
		Reserve Capacity expected to be available; or		
Facilitaria spectra mana entre anna entre an	Block 1:	The or any spectra of the Grant way were explored benefit and a spectra of the Grant way and the mean many spectra of the spectra of the construct of the spectra of the spectra of the the spectra of the spectra of the spectra of the the spectra of the spectra of the spectra of the spectra of the spectra of the spectra of the the spectra of the spectra of the spectra of the spectra	(1)(44) (1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(
ter Interruptible Loads. Curteilable Loads and	Block 2:			
Dispatchable Loads,		Capacity if called, where this must be not less The maximum number of times the block can	(1)(11)	Image: Section of the sectio
	1	be called to provide Reserve Capacity during a The minimum nutice period required far	(1)(1)	
		dispatch of the block, where this must not be The periods when the block can be	(7)(+)	
		arepartined, which make include the period	(1)(+3)	
	1		(1)(0)	
		The maximum number of hours per year the block is available to provide Reserve Capacity.		
Image: section of the same section of the s				
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And Participants and Part of the part				
		the minimum notice period required for dispatch of the Mock, where this must not be The minimum of the Mock over by	(7)(+)	
		dispatched, which must include the period	(7)(+1)	
	1	evalability of the Pacifity due to staffing	(a)(h)	
ALL Paulities		Disease indicate any other restrictions on the weakbilding of the Pacity indicate whether to use the methodology described in clause 4.15.2(b) in place of the methodology described in 4.11.1(a) in assigning Certified Reserve Capacity	(4)(1)	
Annrovala				

CRC Applications – Information Requirements MR 4.10.1

All Facilities require:

- ➢ key project dates
- excel spread-sheet

All generators (Scheduled & Non-scheduled) require:

- > evidence that Environmental Approvals have been granted or will likely be
- vidence of an Arrangement for Network Access

All scheduled generators require:

evidence of Fuel Contracts

All intermittent generators require:

Expert Report where less than 5 years old or for upgrades

DSP's require:

hours and periods of availability

îmo

Online Submissions in WEMS/MPI

Pre-requisites for WEMS submission:

- Registered Market Participant Status
- WEMS access
- Facility name registration

WEMS submissions:

- All Facilities (existing/upgrades and new)
- User guide for submissions (CSV or XML) can be found on the IMO website:

http://www.imowa.com.au/f4768,1615280/File_Exchange_-

_Specification_XML_and_CSV_v3.0.pdf

Contacts:

- Registration/WEMS access 9254 4336 <u>operations@imowa.com.au</u>
- Certification 9254 4339 <u>system.capacity@imowa.com.au</u>



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Assessment Process – Key Considerations

Outages

IMO may decide not to assign CRC to a Facility where:

- operating for >36 months and Forced Outage rate >15% or combined outage rate >30% over the last 36 months
- operating <36 months and likely to have a Forced Outage rate >15% or combined outage rate >30% over 36 months

Demand Side Programmes

CRC not to exceed the IMO's reasonable expectation of Relevant Demand less the minimum load

Network Access

- DSOC limits and runback schemes may result in generators being certified for less than their nameplate capacity
- Static system studies to be completed for new generation facilities/upgrades
- CRC based on actual/estimated output of candidate facilities in peak trading intervals from prior 5 years

Committed Status Requirements

- The IMO can not assign CRC to a Facility that is not expected to be a Registered Facility by 1 October 2015
- Generators must have:
- environmental approvals
- completed access studies
- ➢ fuel contracts

Conditional Certified Reserve Capacity:

- where committed status can not be verified it is possible for Conditional Status to be granted
- can be converted to Certified Reserve Capacity if the requirements to prove committed status are met during future cycles

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