

# Spectrum for Wireless Broadband *- an update*

## 3 GHz Area Wide Licence (AWL)

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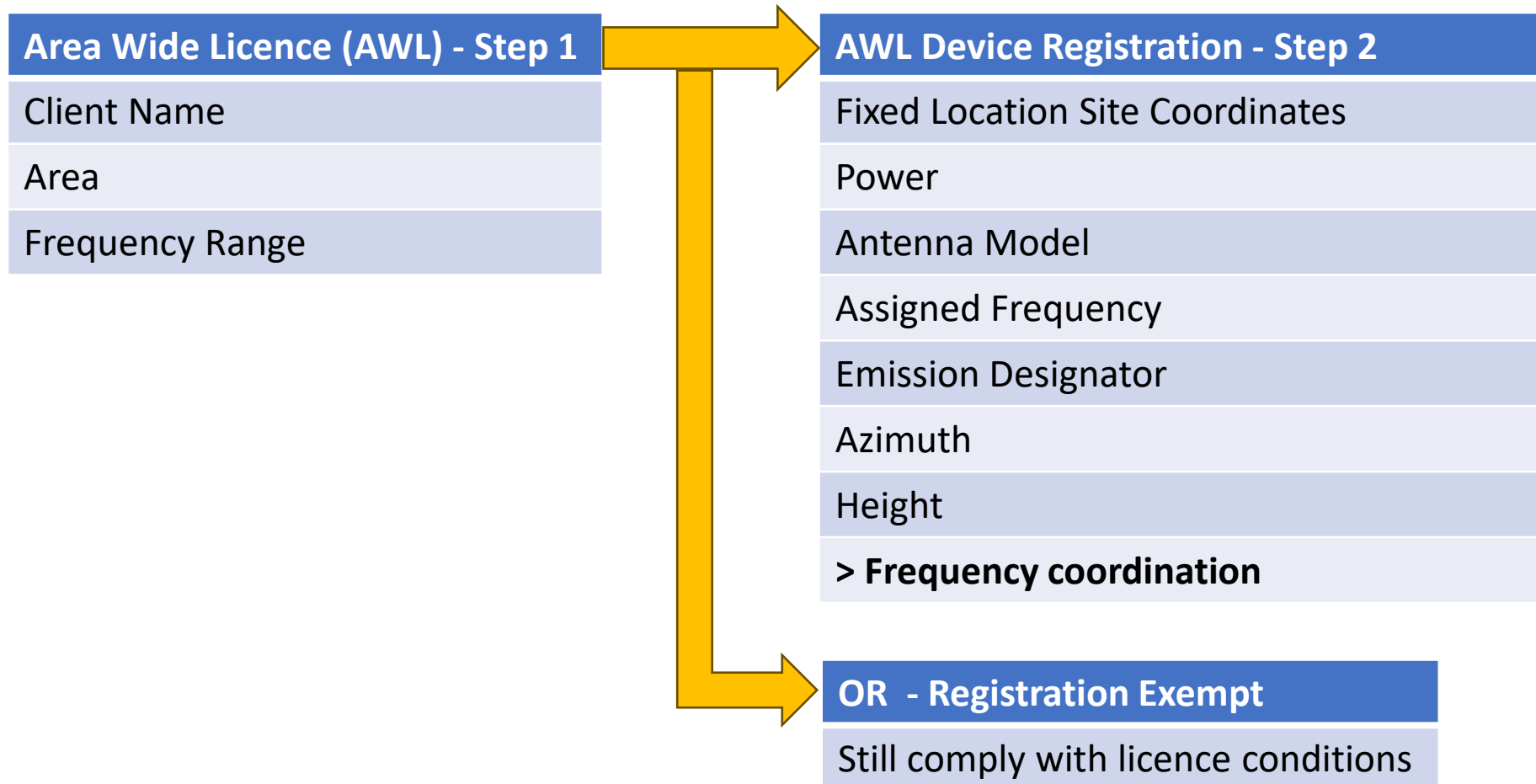
# Roadmap

- Apparatus Licensing
- AWL Rules
- ACMA Progress
  - Remote Areas
    - Granted licences, AWL Registration, Incumbent PMP
  - Other Areas
    - Upcoming Licence Application Window

# Apparatus Licensing – Typical vs AWL

“Typical” Apparatus Licence	Area Wide Licence (AWL)
Client Name	Client Name
Licence Type (PTS, PMP, PTP, LM, Amb)	Area
Fixed Location Site Coordinates	Frequency Range
Power	
Antenna Model	
Assigned Frequency	
Emission Designator	
Azimuth	
Height	
> Frequency Coordination	

# Apparatus Licensing – Typical vs AWL



# Apparatus Licensing – AWL Documents

- The “LCD”

[Radiocommunications Licence Conditions \(Area-Wide Licence\) Determination 2020](#)

- RALIs called up by the LCD

[RALI MS 47](#) (effective 1<sup>st</sup> May)

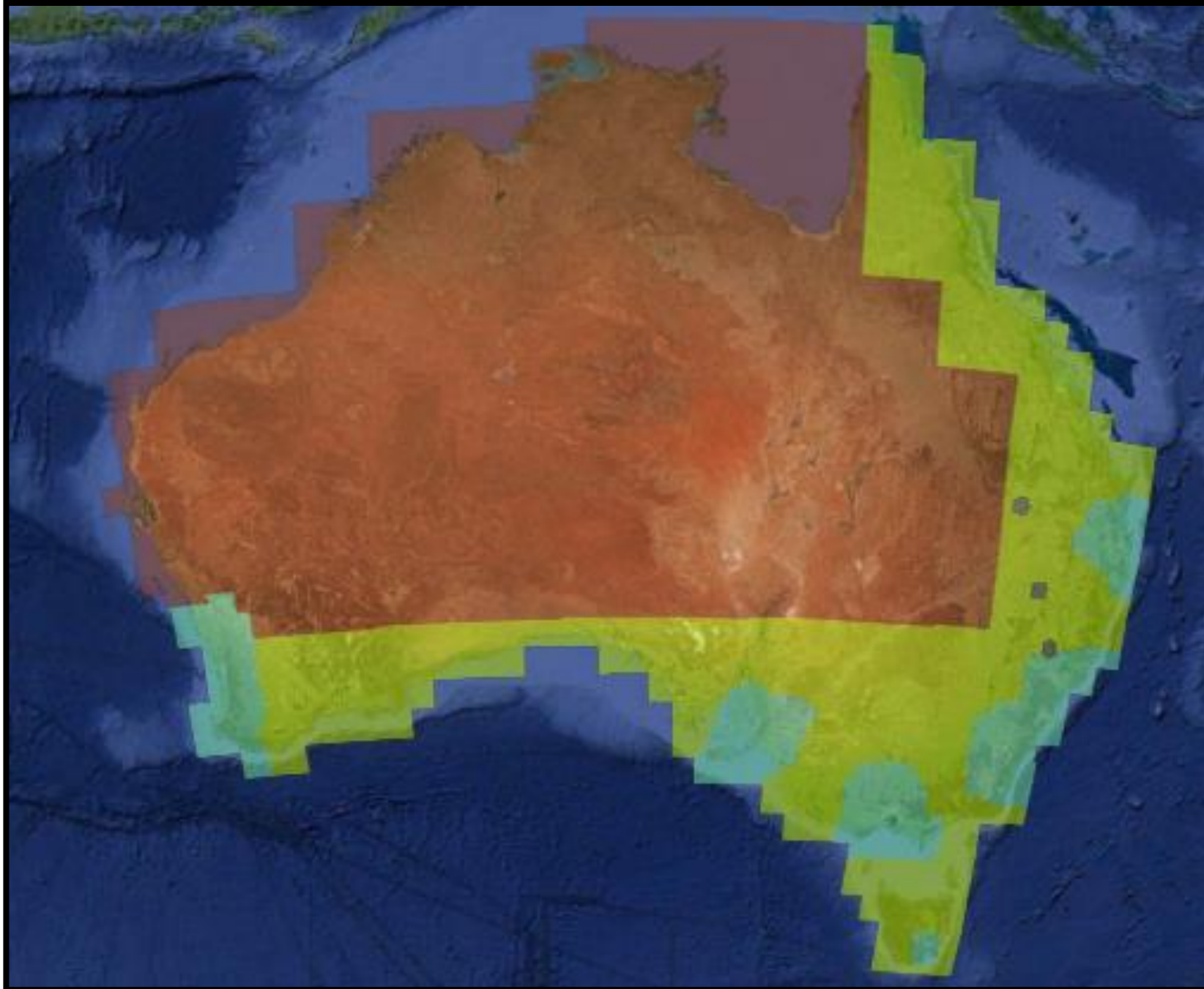
The above are not simple documents to read and understand. But important to note that they apply irrespective of whether registration is needed or not. ***Unlike a traditional apparatus licence, having an AWL is just the beginning!***



## ACMA Progress

# Areas

- Remote
- Rural *Regional*
- Metro and Regional  
*Metro and Surrounds*



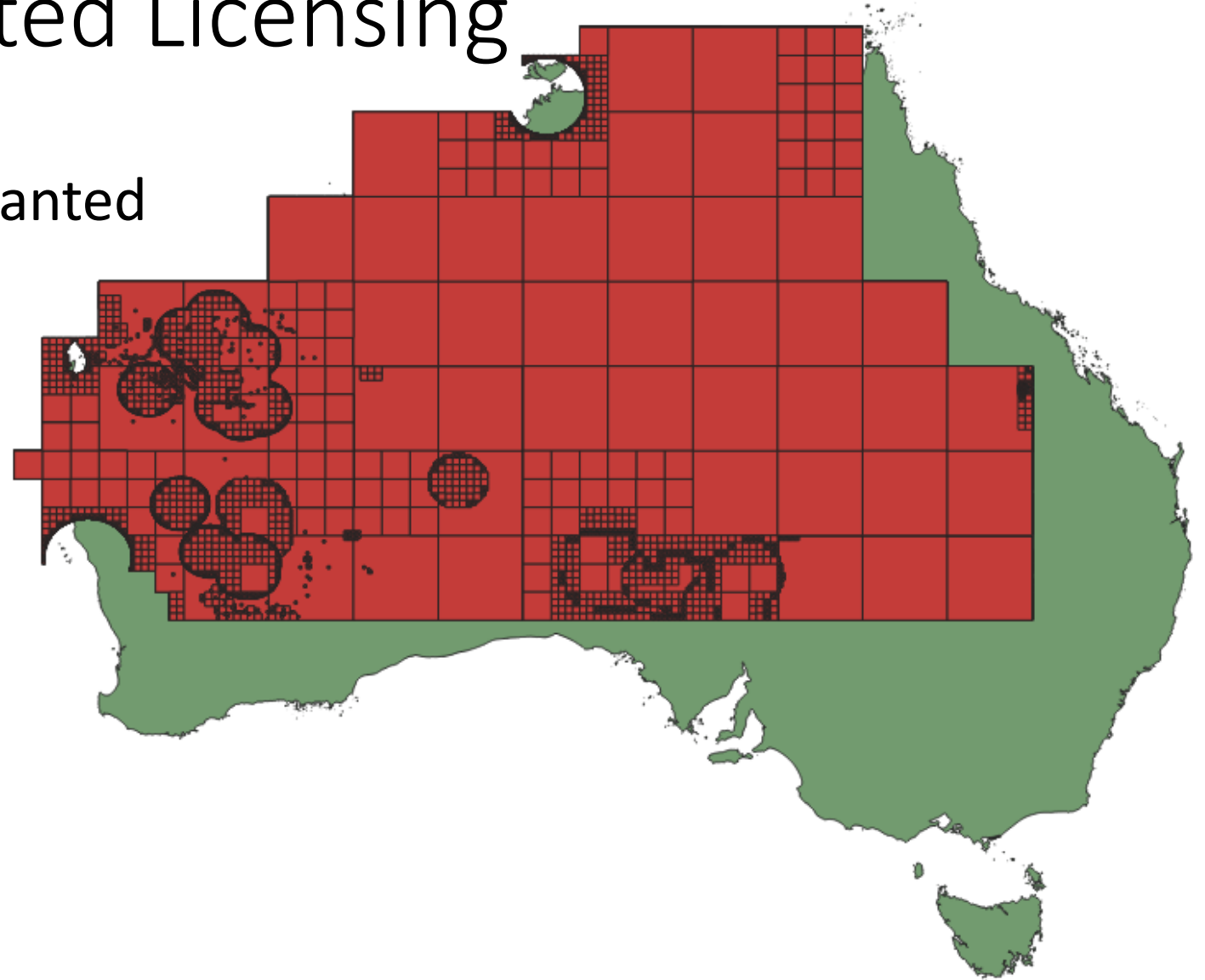
# ACMA Progress

	Remote	Rural	Metro & Regional
<b>Application Window</b>	<b>July 2023</b>	March 28 – May 2	March 28 – May 2
<b>Licensing Finalised</b>	<b>(by ~February 2024?)</b>	-	-
<b>General Applications</b>	TBA	TBA	TBA
<b>Frequency Range</b>	3400-4000 (600 MHz)	3750-3950 (200 MHz)	3800-3950 (150 MHz)
<b>Quantum Limit</b>	100 MHz	50 MHz	50 MHz



# Remote - Completed Licensing

- “Remote” area licences granted
- 3400 to 4000 MHz
- Lots of contention
- Gaps do remain



# Remote AWL – Registration

- AWL is not a guarantee
- Registration
  - Device Boundary, Requires Coordination
- Exempt transmitters
  - May still require coordination

## **4.5.1 Protection from AWL transmitters that are registration exempt**

If the proposed AWL base station site is within 20 km of a receiver from another service that requires protection, not including ESPZs, detailed coordination is required.

# Remote AWL – Registration

- Incumbent Coordination
  - PMP / Airport / PTP / Earth Station
- Synchronisation

# Remote – what about PMP?

- As a PMP
  - Grandfathered operation only
  - No operational changes permitted
- Convert to AWL
  - Might be possible (when applications are again accepted)

# Rural/Regional/Metro - Application Window

- Bands
  - 3750-3950 MHz - Rural
  - 3800-3950 MHz - Metro & Regional
- Application Form Online
  - AP not actually required
- Costs
- Term

# Rural/Regional/Metro - Application Window

Just need:

- Frequency
- Area

**Your licence may need to be much larger area than your operational area!**

# Rural/Regional/Metro - 3.8 GHz Documents

- Main 3.8 GHz Page

<https://www.acma.gov.au/area-wide-licence-allocation-38-ghz-band>

- Applicant Information Pack

[https://www.acma.gov.au/sites/default/files/2024-02/AIP\\_Allocation%20of%20AWLs%20in%203.8%20GHz%20band%20in%20metro%20rural%20and%20regional%20Aus\\_2.docx](https://www.acma.gov.au/sites/default/files/2024-02/AIP_Allocation%20of%20AWLs%20in%203.8%20GHz%20band%20in%20metro%20rural%20and%20regional%20Aus_2.docx)

- 'Outcomes 2' Paper

<https://www.acma.gov.au/consultations/2023-06/allocation-area-wide-apparatus-licences-38-ghz-band>