

ASEAN Workshop

*Promote the use of L-band spectrum for
IMT Services*

**Landscape of L-band
From ASEAN to global**

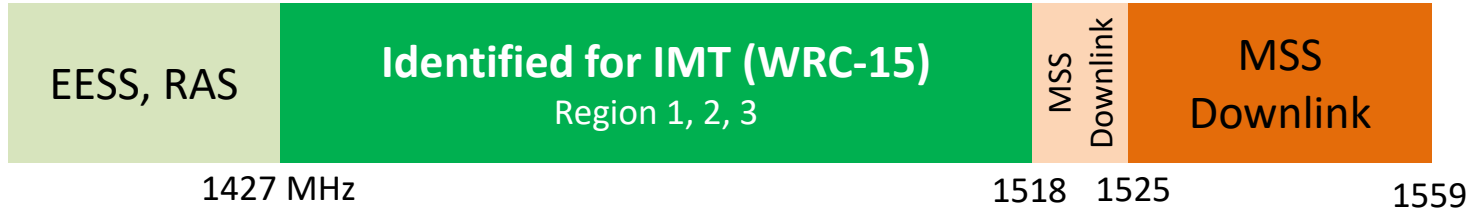
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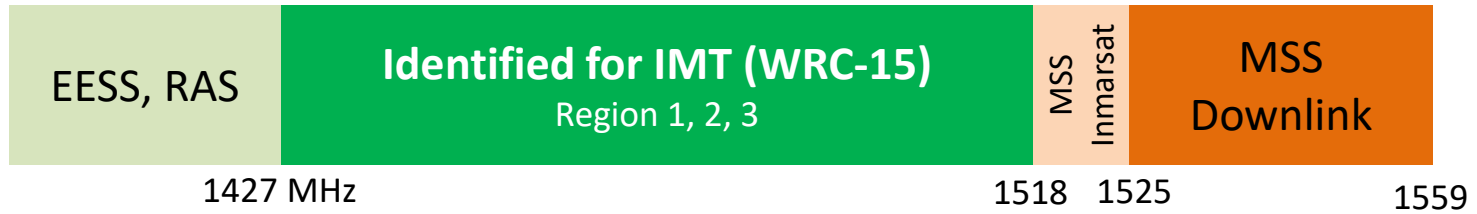
1. IMT L-band: 1427 – 1518 MHz



MHz	1 427	1 518
G1	BS Tx	
	1 427	1 517
G2	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;">MS Tx</div> <div style="border: 1px solid black; padding: 2px;">BS Tx</div> </div>	
	1 427	1 518
G3	TDD	
	1 427	1 517

	Band	UL	DL	Mode
CEPT, CITE L	n75/B75	NA	1432-1517	SDL
	n76/B76	NA	1427-1432	SDL
	B32	NA	1452-1496	SDL
Japan	n74/B74	1427-1470	1475-1518	FDD
	B11	1427.9-1447.9	1475.9-1495.9	FDD
	B21	1447.9-1462.9	1495.9-1510.9	FDD
ASMG	n50/B50	1432-1517	1432-1517	TDD
	n51/B51	1427-1432	1427-1432	TDD
	B45	1447-1467	1447-1467	TDD

2. APT - Frequency arrangement



MHz	1 427	1 518
G1	BS Tx	
	1 427	1 517
G2	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px;">MS Tx</div> <div style="border: 1px solid black; padding: 2px;">BS Tx</div> </div>	
	1 427	1 518
G3	TDD	
	1 427	1 517

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- 3 Options: G1, G2, G3
- Different views, and no agreement was made.
- Consideration...

3. ASEAN – L-band Questionnaire

Question 1a. Which frequency range of the band 1427-1518 MHz has your country already identified for IMT ?

BRUNEI	
CAMBODIA	1427-1518 MHz
INDONESIA	1427-1518 MHz
LAOS	
MALAYSIA	1452-1492 MHz
MYANMAR	
PHILIPPINES	
SINGAPORE	1427-1518 MHz
THAILAND	1427-1518 MHz
VIETNAM	1427-1518 MHz

3. ASEAN – L-band Questionnaire

Question 2. What type of frequency arrangement(s) (eg. FDD, TDD, SDL) your country plans to implement or has implemented for IMT in the frequency band 1427-1518 MHz or part(s) of the band ?

BRUNEI	
CAMBODIA	Others. Please specify in detail: Consideration
INDONESIA	Others: not yet defined, await for the maturity of the IMT ecosystem in this particular band
LAOS	
MALAYSIA	Others. Please specify in detail: Under study
MYANMAR	
PHILIPPINES	
SINGAPORE	Others. Please specify in detail: Frequency arrangement subject to the review of several factors such as regional and international harmonisation of the L-band channelling arrangements, evaluation of co-existence with existing co- and adjacent services and ecosystem development.
THAILAND	Others. Please specify in detail: The frequency arrangement is not yet finalized but SDL has been in our consideration.
VIETNAM	Others. Please specify in detail: The frequency arrangement is not yet finalized.

3. ASEAN – L-band Questionnaire

Question 3. Which frequency range of the band 1518-1525 MHz has your country already assigned to MSS ?

BRUNEI	
CAMBODIA	Not yet assigned the band 1518-1525 MHz to MSS
INDONESIA	1518-1525 MHz
LAOS	
MALAYSIA	1518-1525 MHz
MYANMAR	
PHILIPPINES	
SINGAPORE	Not yet assigned the band 1518-1525 MHz to MSS
THAILAND	Not yet assigned the band 1518-1525 MHz to MSS
VIETNAM	Not yet assigned the band 1518-1525 MHz to MSS

3. ASEAN – L-band Questionnaire

Question 8. In which timeframe your country will release or license the frequency band 1427-1518 MHz or part(s) of the band for IMT ?

BRUNEI	
CAMBODIA	Require specific arrangement band plan by relevant Government sectors and industries
INDONESIA	Not yet defined, await for the maturity of the IMT ecosystem in this particular band
LAOS	
MALAYSIA	Beyond 2022
MYANMAR	
PHILIPPINES	
SINGAPORE	2025
THAILAND	Beyond 2025
VIETNAM	Beyond 2022

3. ASEAN – L-band Questionnaire

Question 9. Do you think it is necessary for ASEAN to have a common roadmap on the bringing the frequency band 1427-1518 MHz or part(s) of the band into usage for IMT ? YES (6/9)

Question 10. Which the following issues you think will benefit from ASEAN's common roadmap on the use of the frequency band 1427-1518 MHz or part(s) of the band for IMT ?

- Reduce cross border interference
- Enhance economy of scale

Thank you for your kind attention!