

ITUEvents

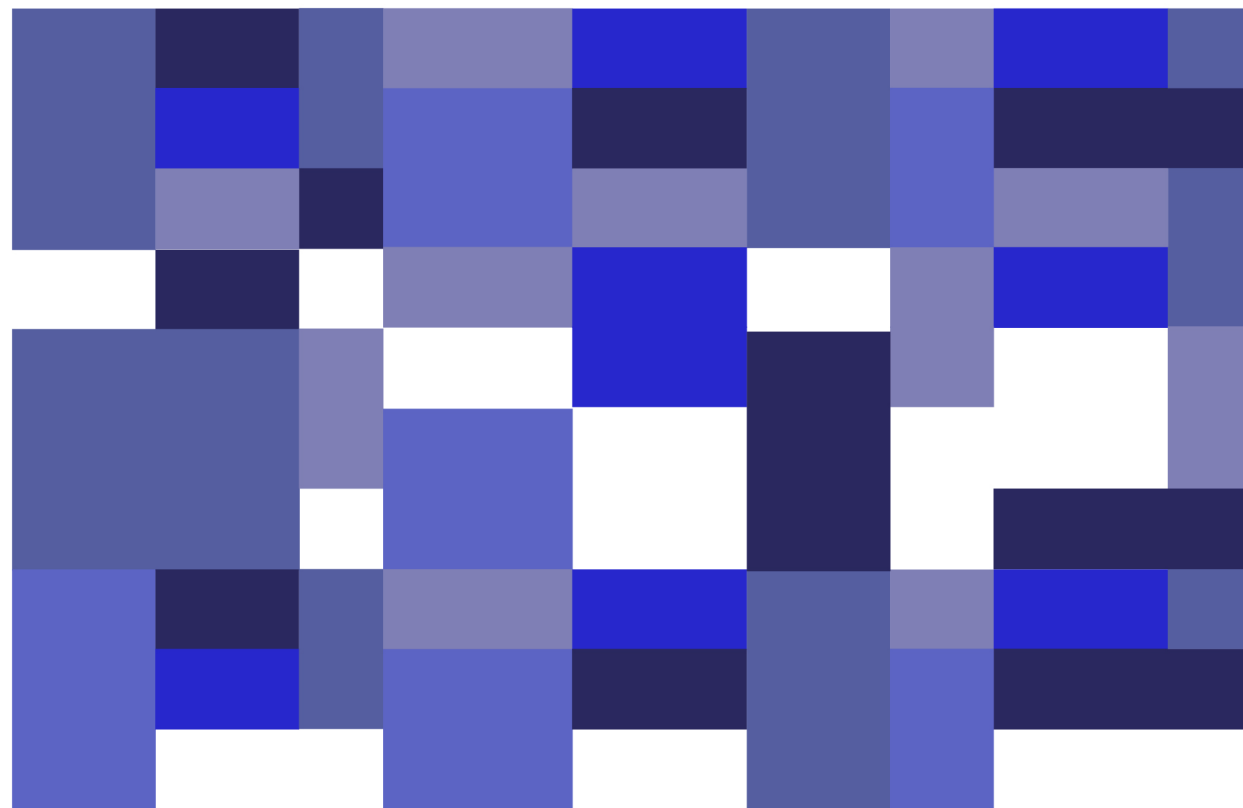
Workshop for Region 2 (RR)

National tables of frequency allocation (NTFA)

17-20 June 2024

Mexico City, Mexico

itu.int/go/ITU-R/NTFA-R2-WS-24



Organized by:



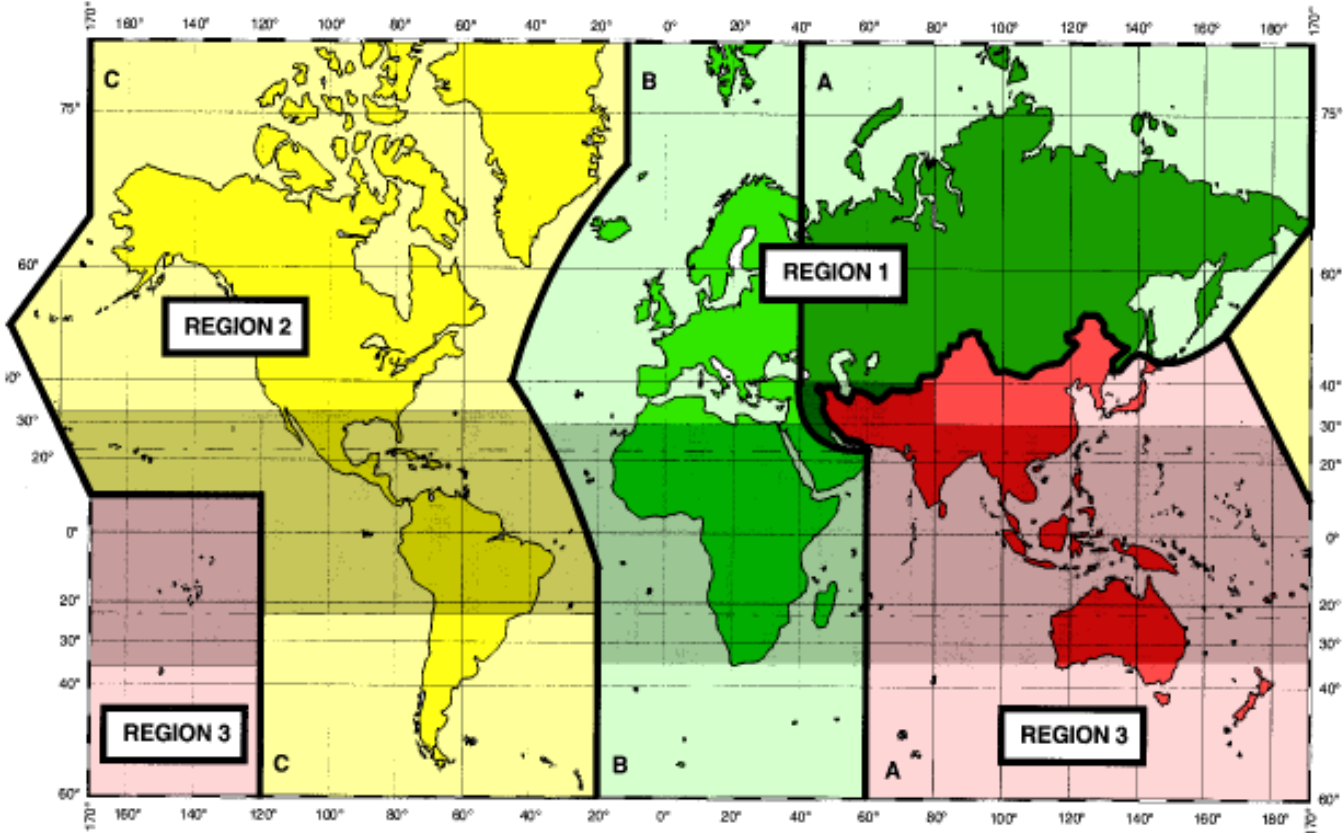
NTFA alignment

- RR Allocations
- ITU-R Recommendations

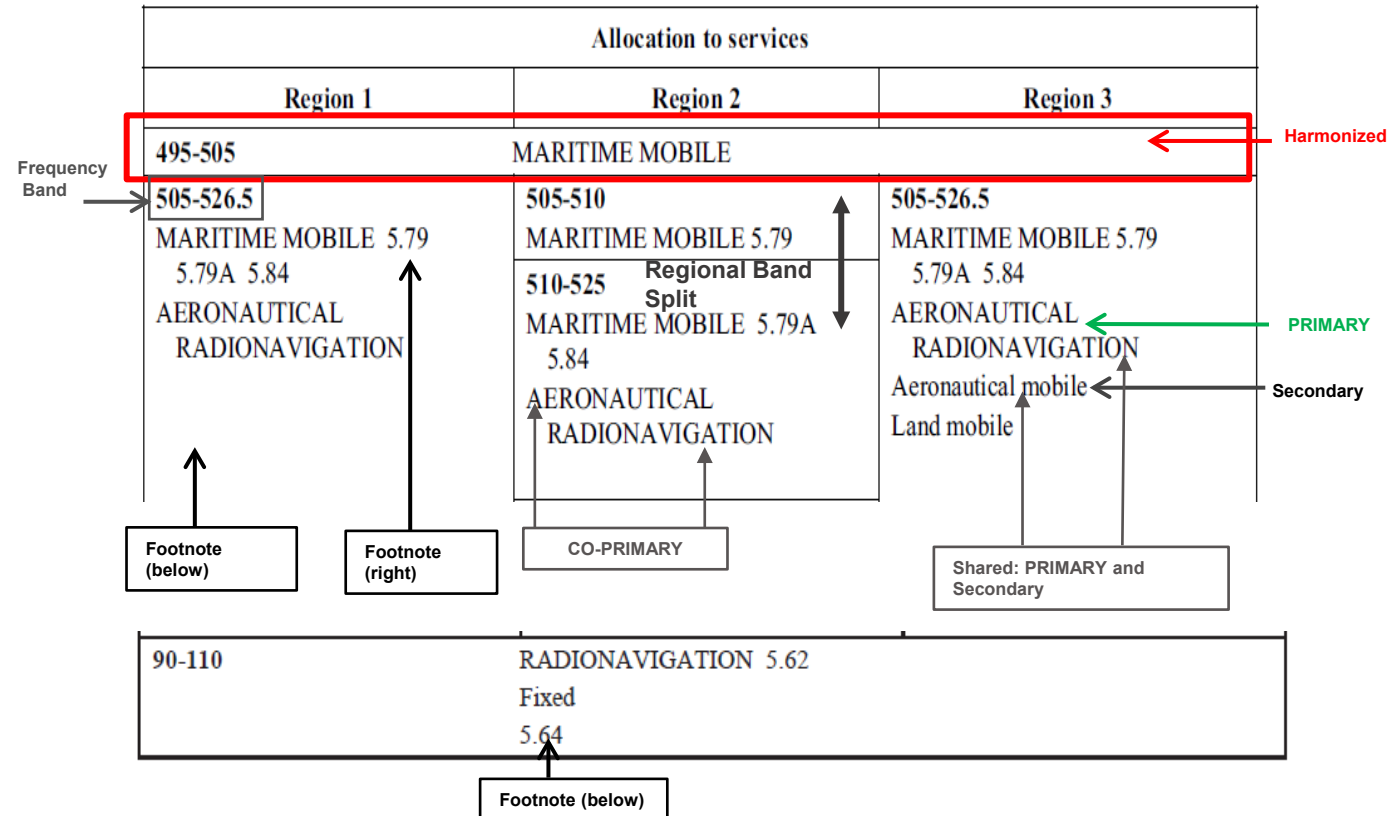
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RR: WORLD REGIONS



RR: TABLE OF FREQUENCY ALLOCATIONS (Art. 5)



RR: COUNTRY(ies) FOOTNOTES (Examples*)

137-137.025	SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 5.208A 5.208B 5.209 SPACE RESEARCH (space-to-Earth) Fixed Mobile except aeronautical mobile (R) 5.204 5.205 5.206 5.207 5.208	FIXED MOBILE
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Different Category of Service:
 Same Services
 but
Different Categories

137-137.025	SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 5.208A 5.208B 5.209 SPACE RESEARCH (space-to-Earth) Fixed Mobile except aeronautical mobile (R) 5.204 5.205 5.206 5.207 5.208	+ BROADCASTING
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Additional Allocation:
 Same Services
 +
More Services

137-137.025	 SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 5.208A 5.208B 5.209 SPACE RESEARCH (space-to-Earth) Fixed Mobile except aeronautical mobile (R) 5.204 5.205 5.206 5.207 5.208 	 FIXED MOBILE BROADCASTING
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ALTERNATIVE Allocation:
Replaces the allocations indicated
 in the Table

* No actual footnotes, for illustrative purpose only

Countries Footnotes format

Footnote shall indicate:

- Area or countries
- Frequency range (could be all or a part of concerned band)
- Type of allocation change (different category; additional; alternative)
- Services to modify
- Restriction?

Case 1: no restriction

5.88 Additional allocation: in China, the band 526.5-535 kHz is also allocated to the aeronautical radionavigation service on a secondary basis.

Case 2: with restriction

5.190 Additional allocation: in Monaco, the band 87.5-88 MHz is also allocated to the land mobile service on a primary basis, subject to agreement obtained under No. 9.21.*

Footnotes Restriction

Sub-Section IIA – Requirement and request for coordination

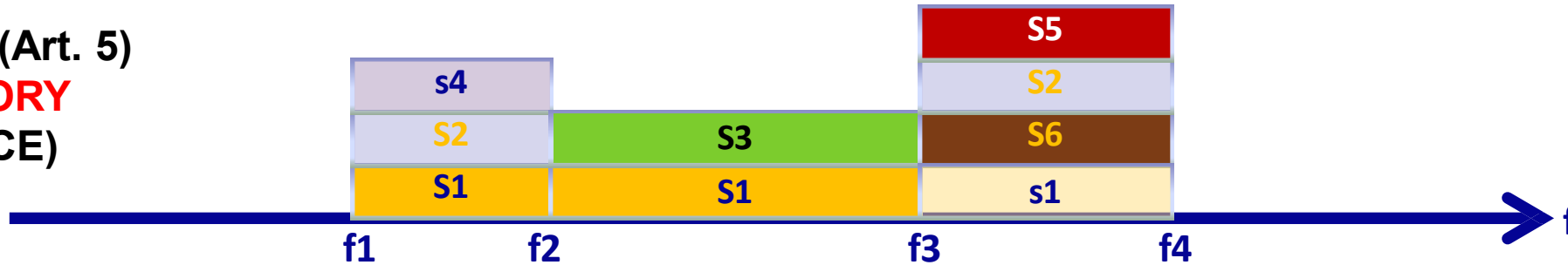
9.6 Before an administration notifies to the Bureau or brings into use a frequency assignment in any of the cases listed below, it shall effect coordination, as required, with other administrations identified under No. 9.27:

.....

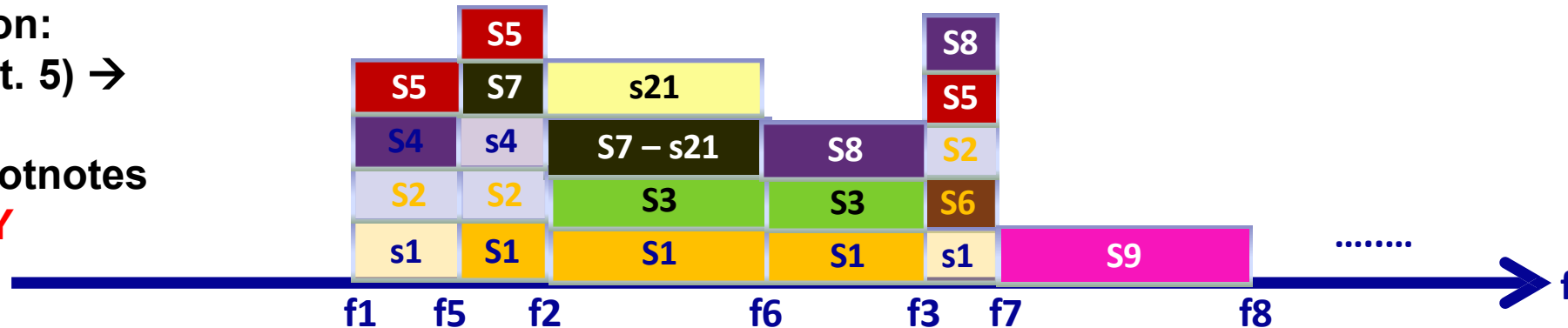
9.21 p) for any station of a service for which the requirement to seek the agreement of other administrations is included in a footnote to the Table of Frequency Allocations referring to this provision.

RR5 Table of Frequency Allocations

Main Table (Art. 5)
COMPULSORY
 (REFERENCE)



Country Version:
 Main Table (Art. 5) →
 Edited by
 Concerned Footnotes
COMPULSORY



RR: COUNTRY(ies) FOOTNOTES vs NFTA

RR
SERVICE A
SERVICE B
Service C
Service D

Less Allocations:

- No conflict with RR
 - National future challenges
- Add as in RR and Freeze it?

Ntfa
SERVICE A
~~SERVICE B~~
Service C
Service D

Other cases:

- More
- Different Category
- Different Allocations
- **RR Country Footnotes**

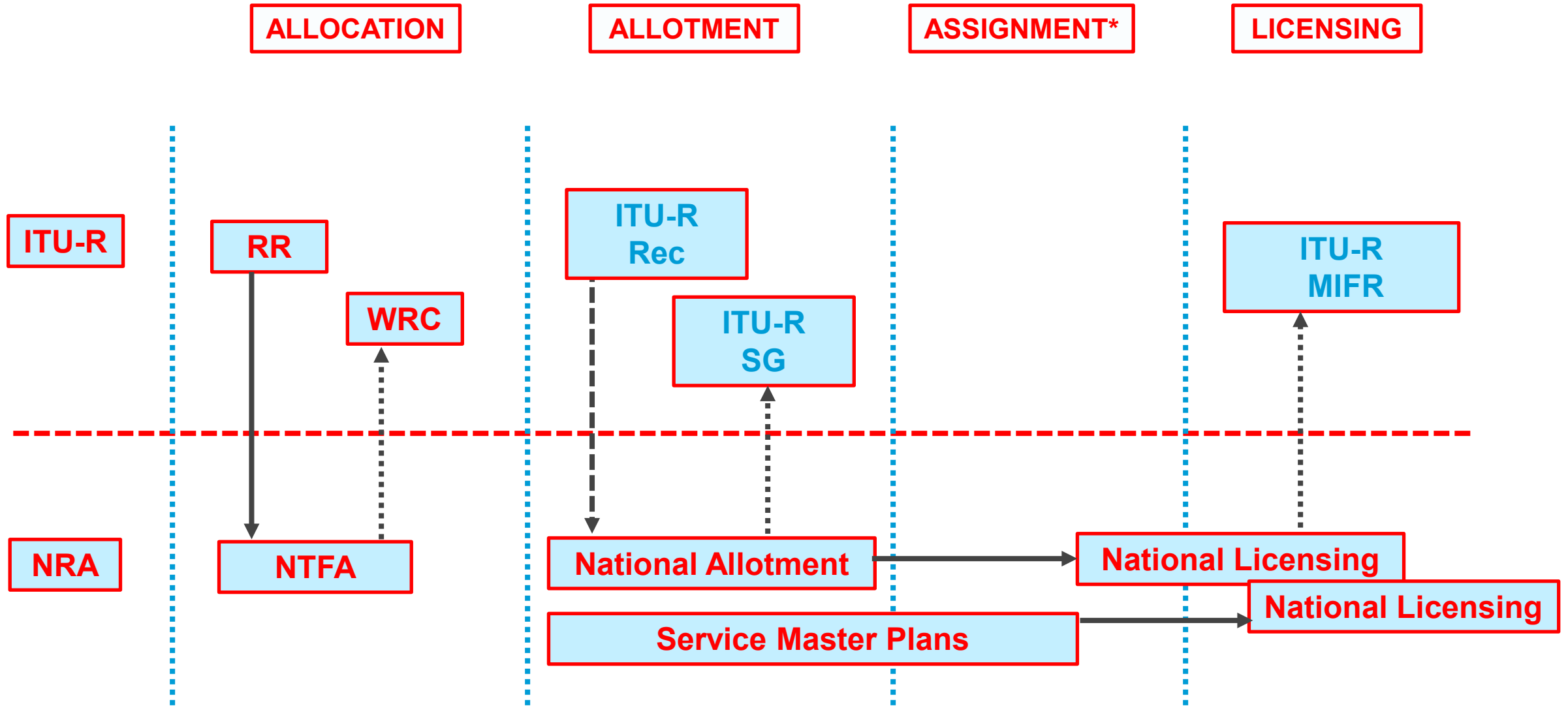
RR: Terrestrial vs Space Services

	TERRESTRIAL	vs	SPACE
KEY PLAYERS	ITU, NRA		ITU, COPUOS, NRA et al
RESOURCE	FREQUENCIES		FREQUENCIES + ORBITS
ALLOCATION	RADIO REGULATIONS then NFAT		RADIO REGULATIONS (Uplink, Downlink, Sat-Sat) then NFAT
ALLOTMENT*	NATIONAL RULES (Uplink, Downlik) (voluntary: ITU-R Rec)		RADIO REGULATIONS** (Uplink, Downlink, Sat-Sat) then NATIONAL RULES
ASSIGNMENT*	NATIONAL RULES (Uplink, Downlik)		
LICENSING			NATIONAL RULES COPUOS

* Excluding Vol 2 (Appendices)

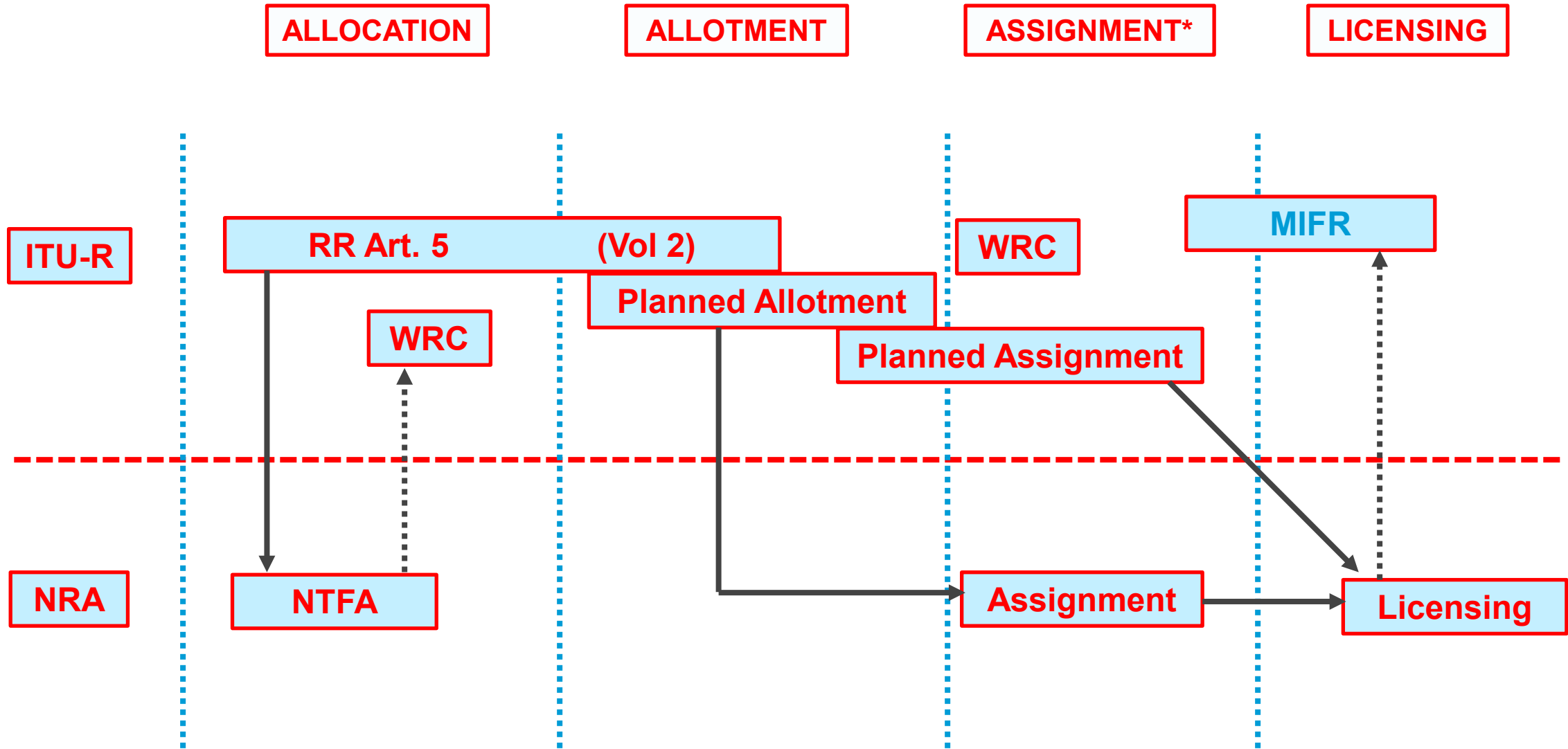
** International Recognition of a Satellite Network doesn't conduct to any national "landing right" that is a autonomous and sovereign right of every administration

RR and NTFA: Terrestrial, Non-Planned



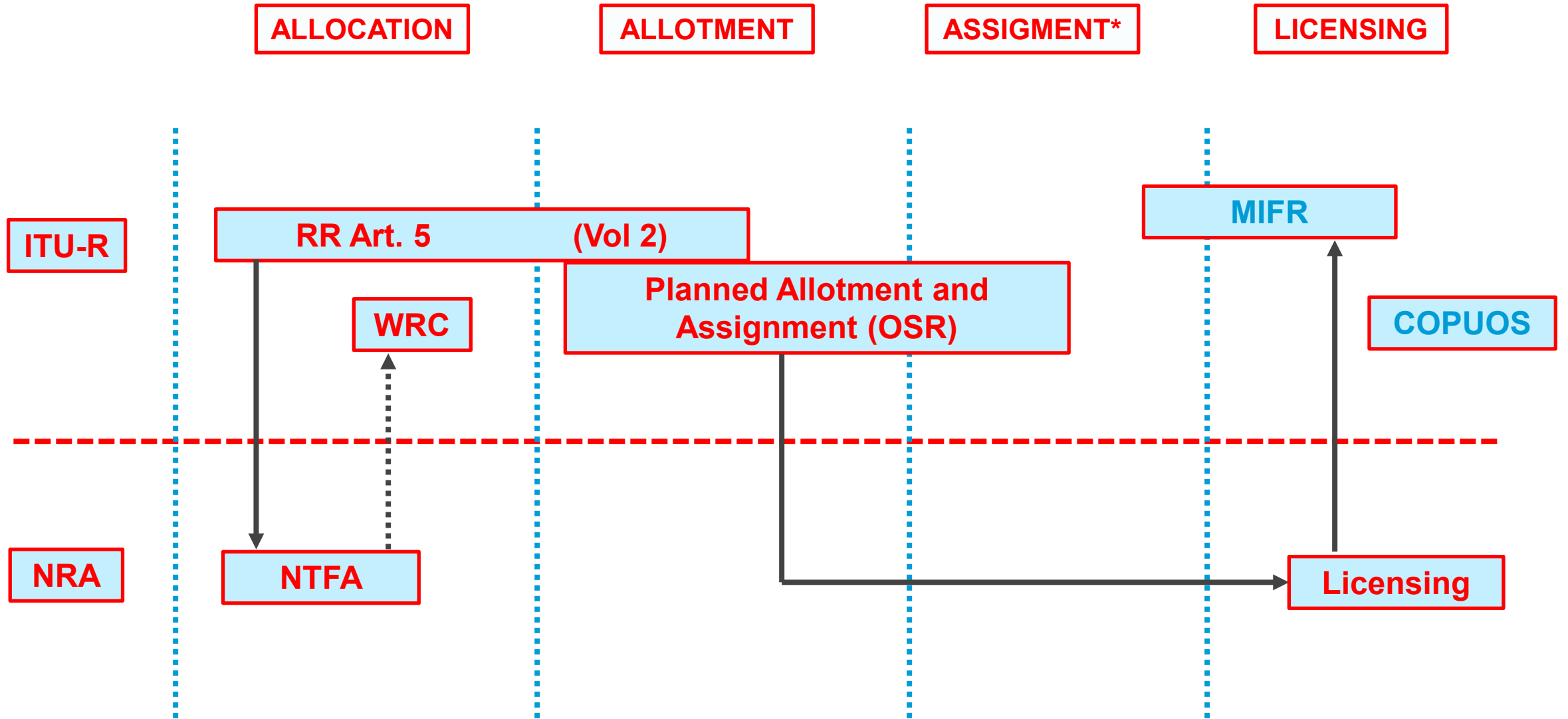
* Only Technical Parameters

RR and NTFA: Terrestrial, Planned



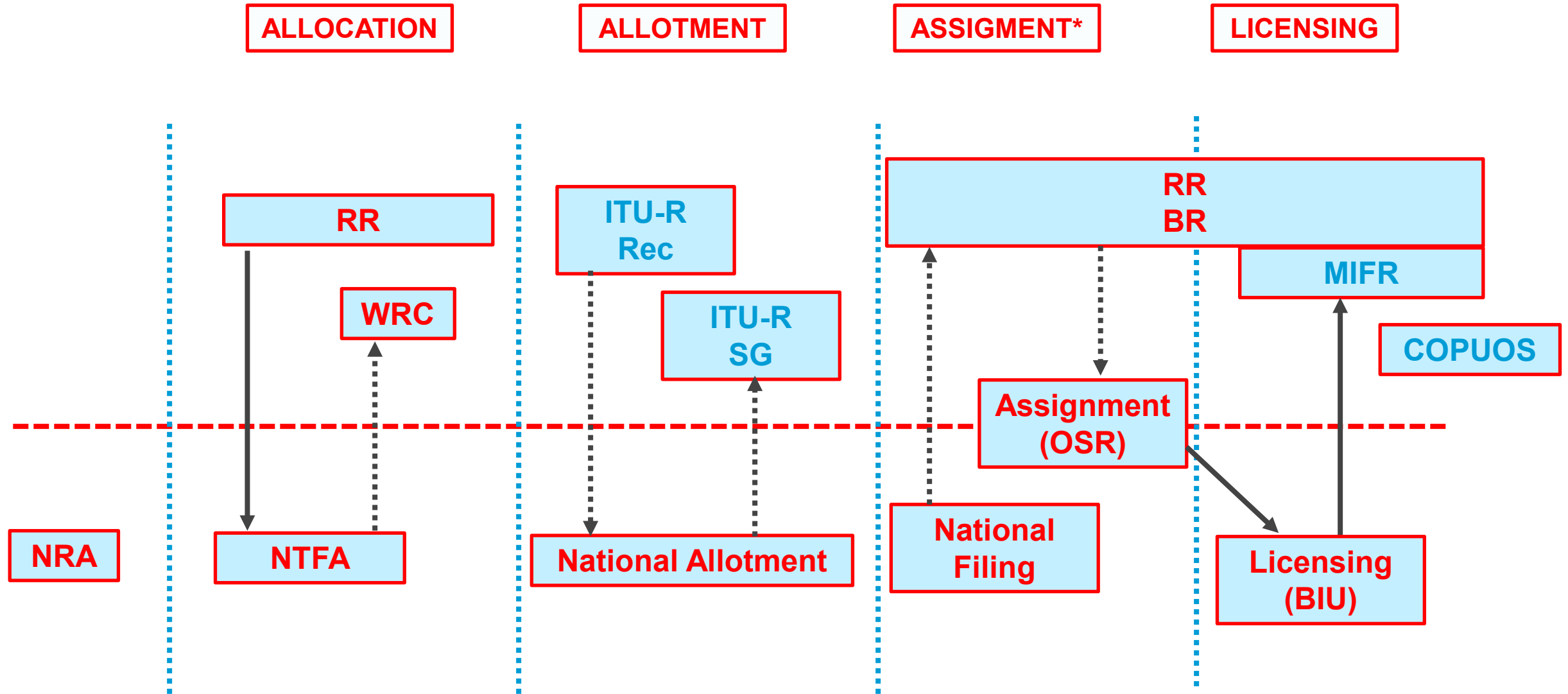
* Only Technical Parameters

RR and NTFA: Space, Planned



* Only Technical Parameters

RR and NTFA: Space, Non-Planned



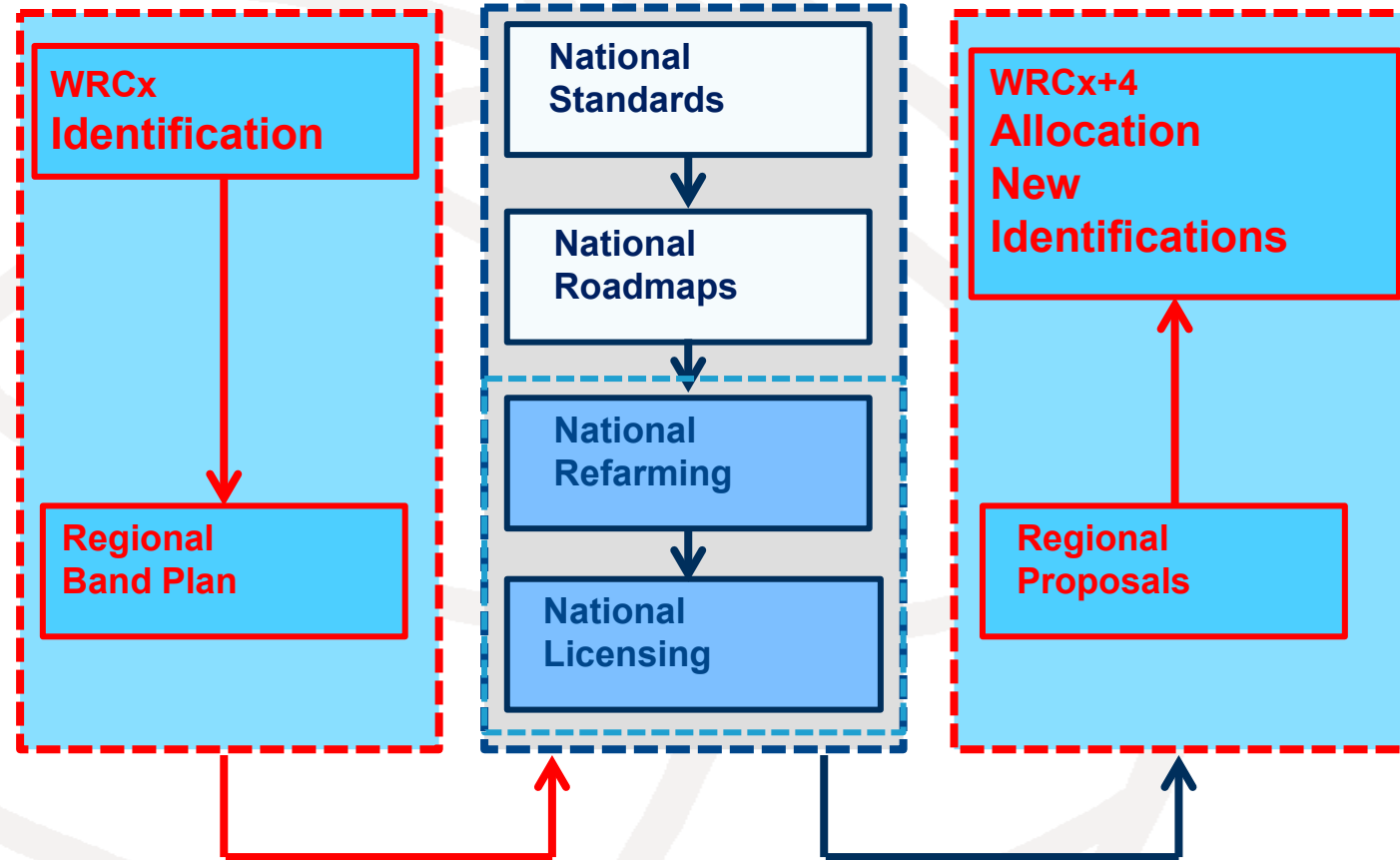
* Only Technical Parameters

RR and Spectrum Management Layers

	National	International
Legal Framework	National Spectrum Laws	ITU Radio Regulations, RR
1. Planing	National table of Frequency Allocations, NFAT	International Table of Frequency Allocations, ITFA (RR, Art. 5)
2. Licensing	National Spectrun Users Database	Master International Frequency Register, MIFR (RR, Art. 8)
3.a. Monitoring	National Monitoring System	International Monitoring System (RR, Art. 16)
3.b. Enforcement	National Regulators	ITU Radiocommunications Bureaux, BR
	National Courts	ITU Radio Regulations Board, RRB

Every SM Layer has both a National and International facet
 Every national Layer shall be consistent with the its International pair
ITU has not legal tools to force compliance of RRB decisions...

Spectrum Harmonization



Thank you!

ITU – Radiocommunication Bureau

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