

# Digital Terrestrial Television in Australia

ITU International Symposium on the Digital  
Switchover

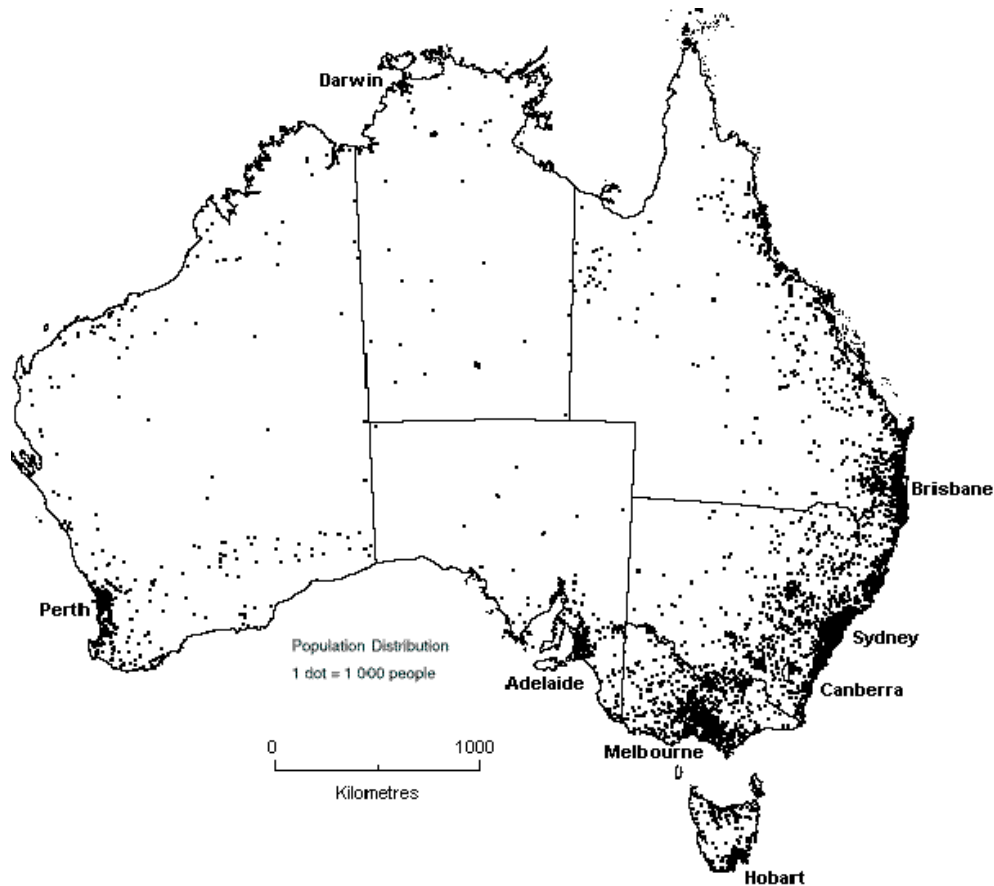
# Digital Terrestrial Television in Australia

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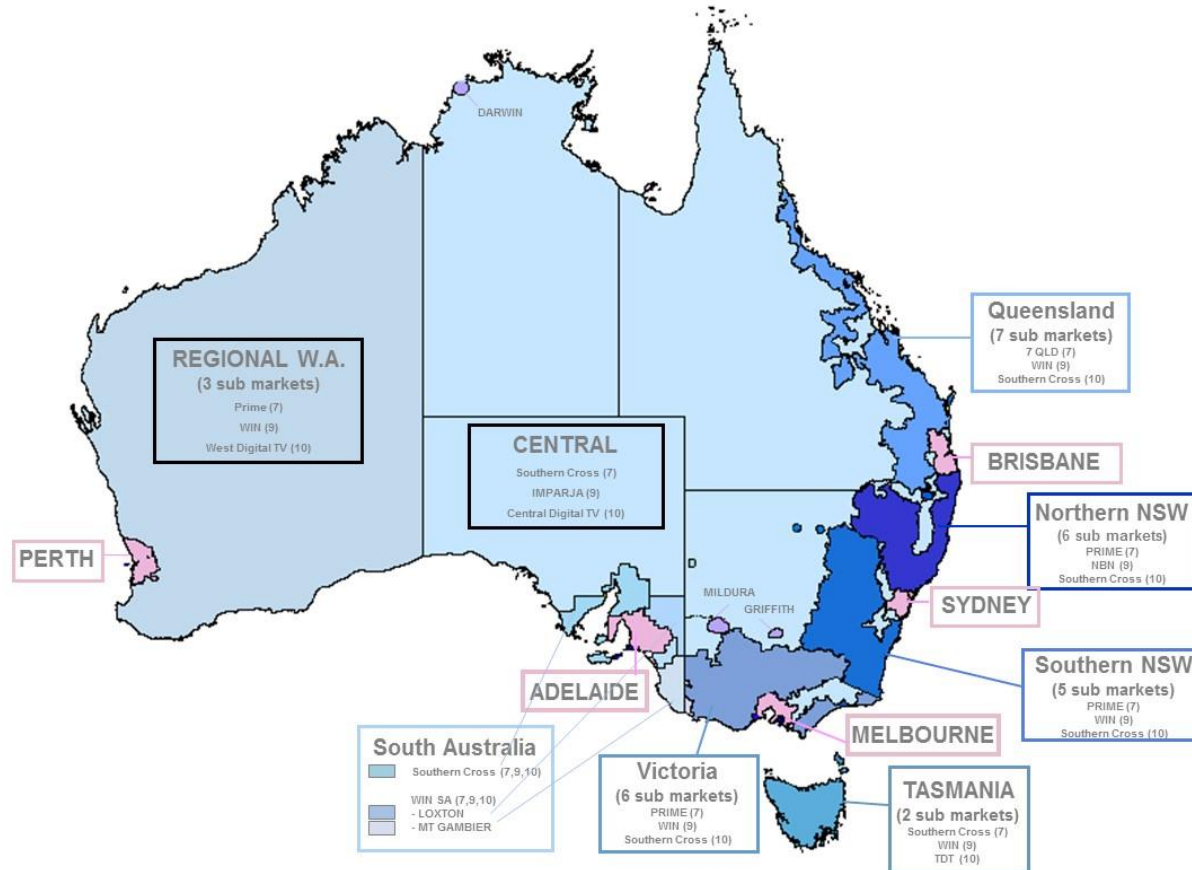
## Introduction



Source: ABS, *Population by Age and Sex* (Cat. nos 3235.1–.8).

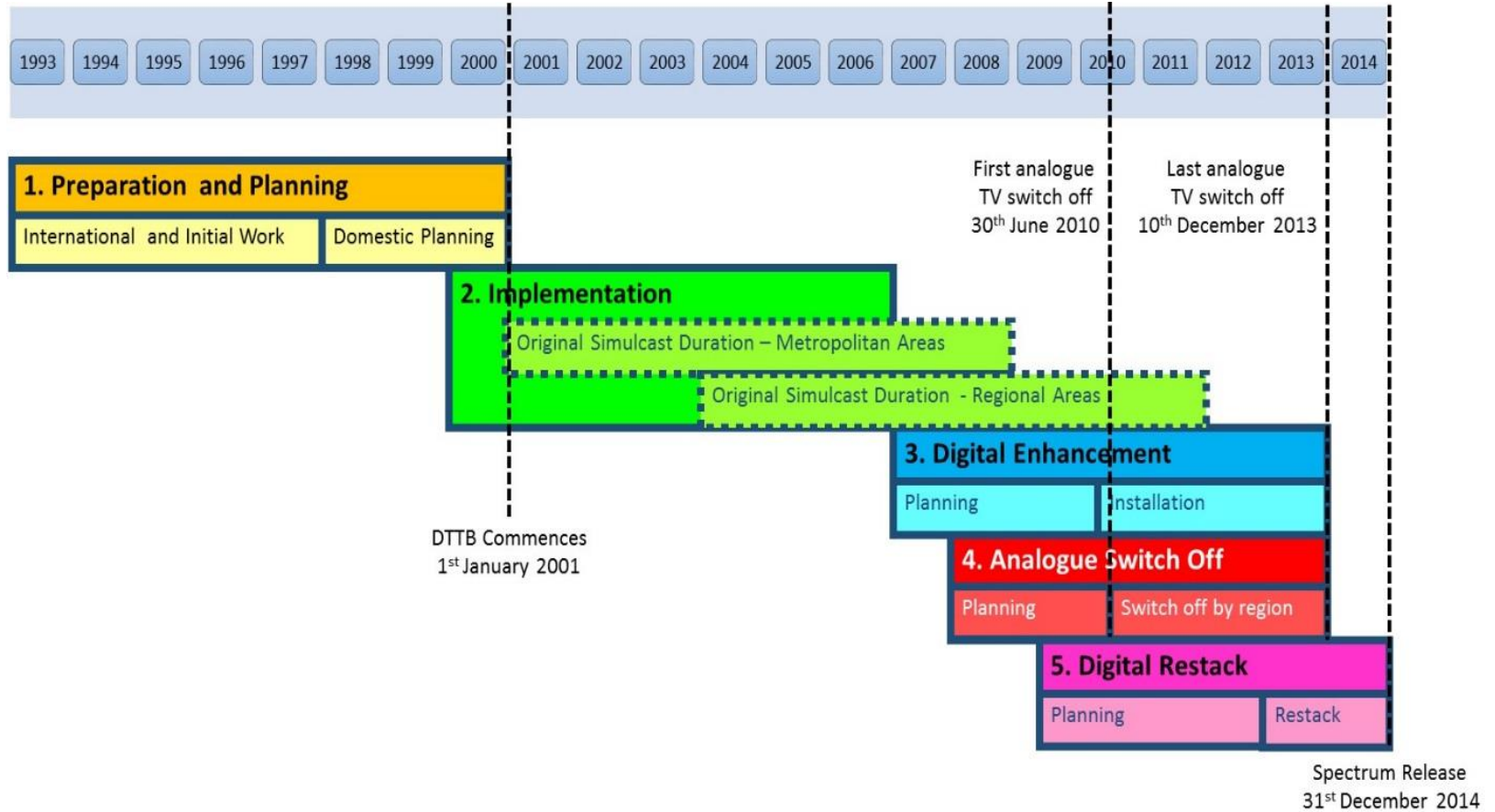
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## Television Service Licence / Market Areas



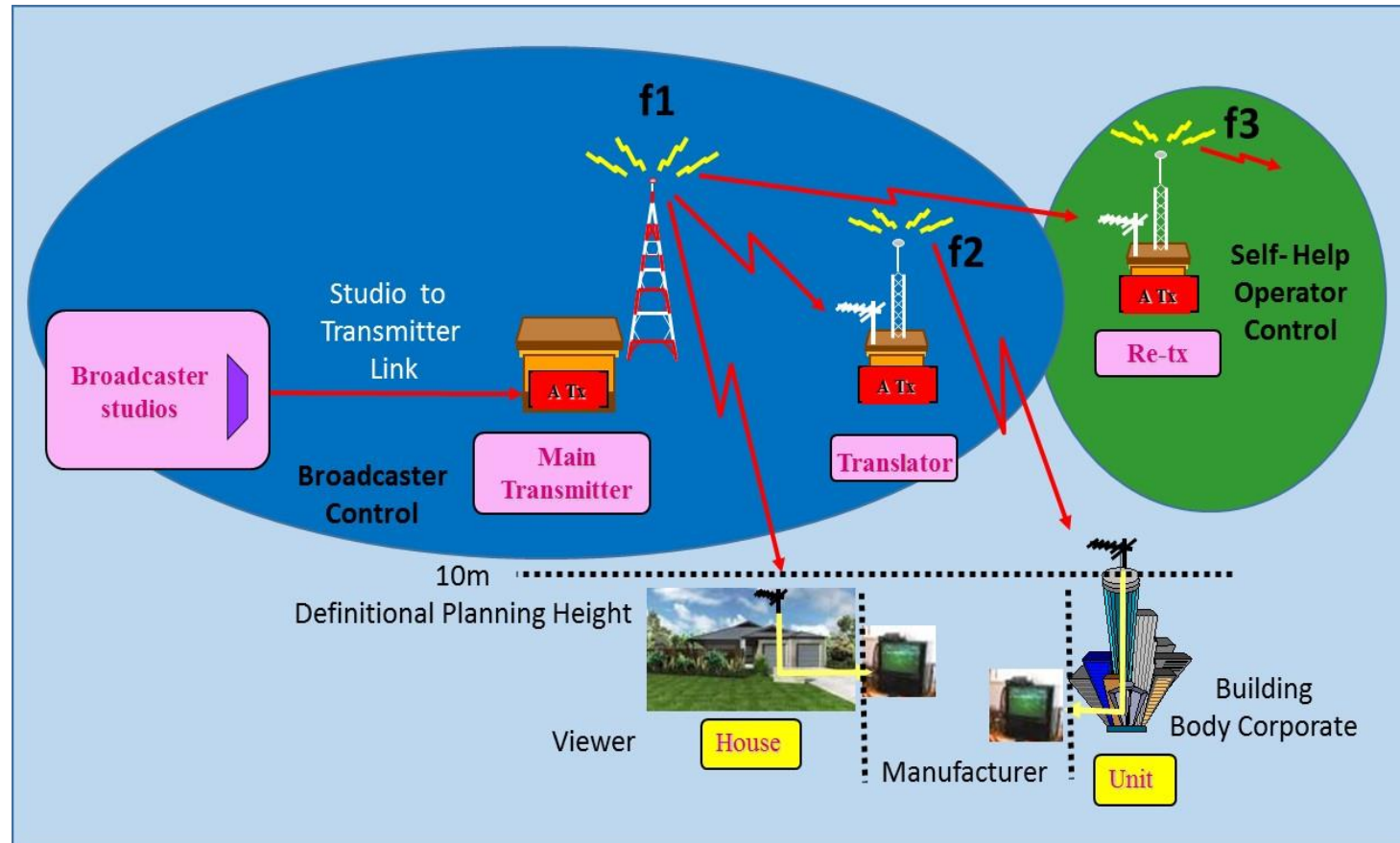
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## Timetable



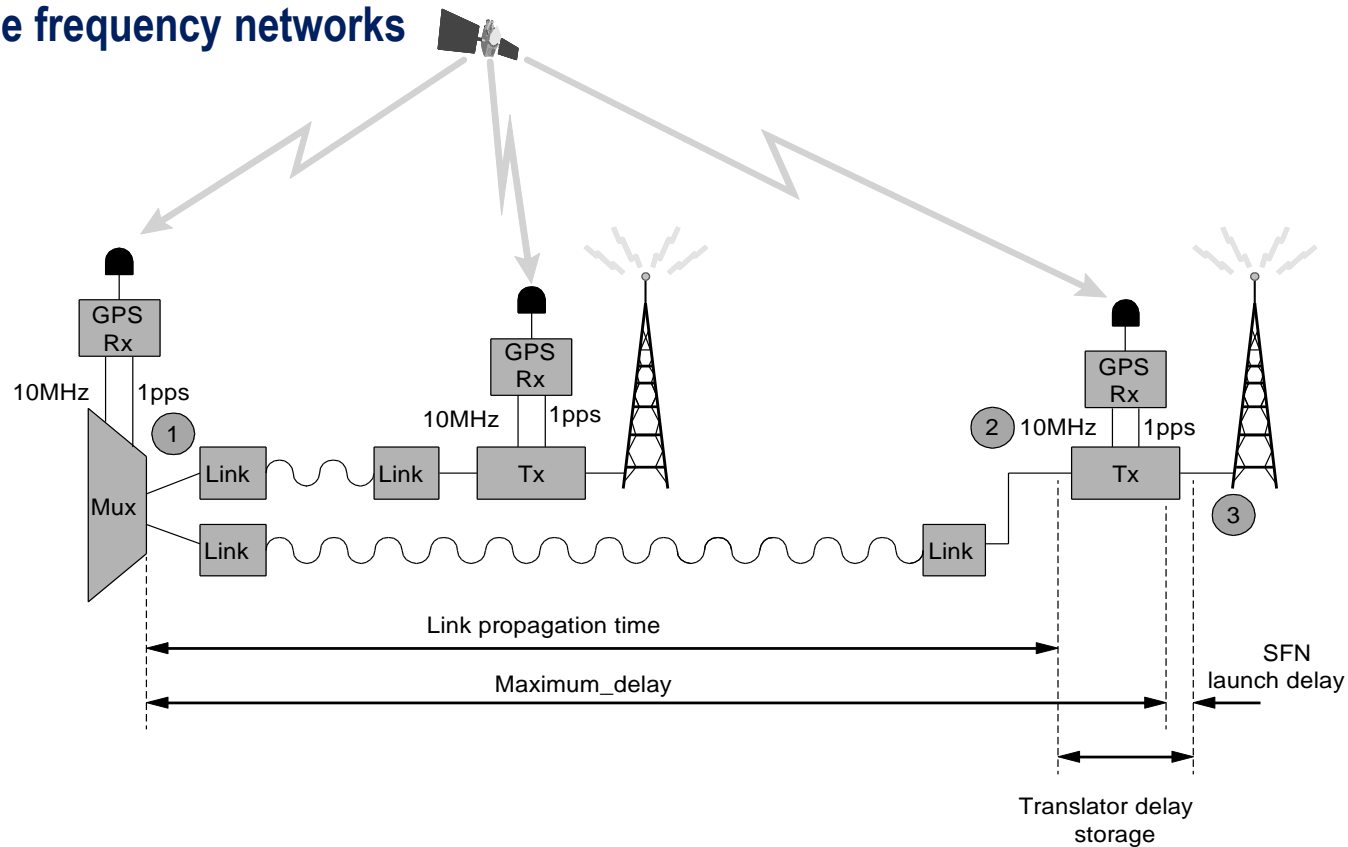
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## System Overview



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## Single frequency networks

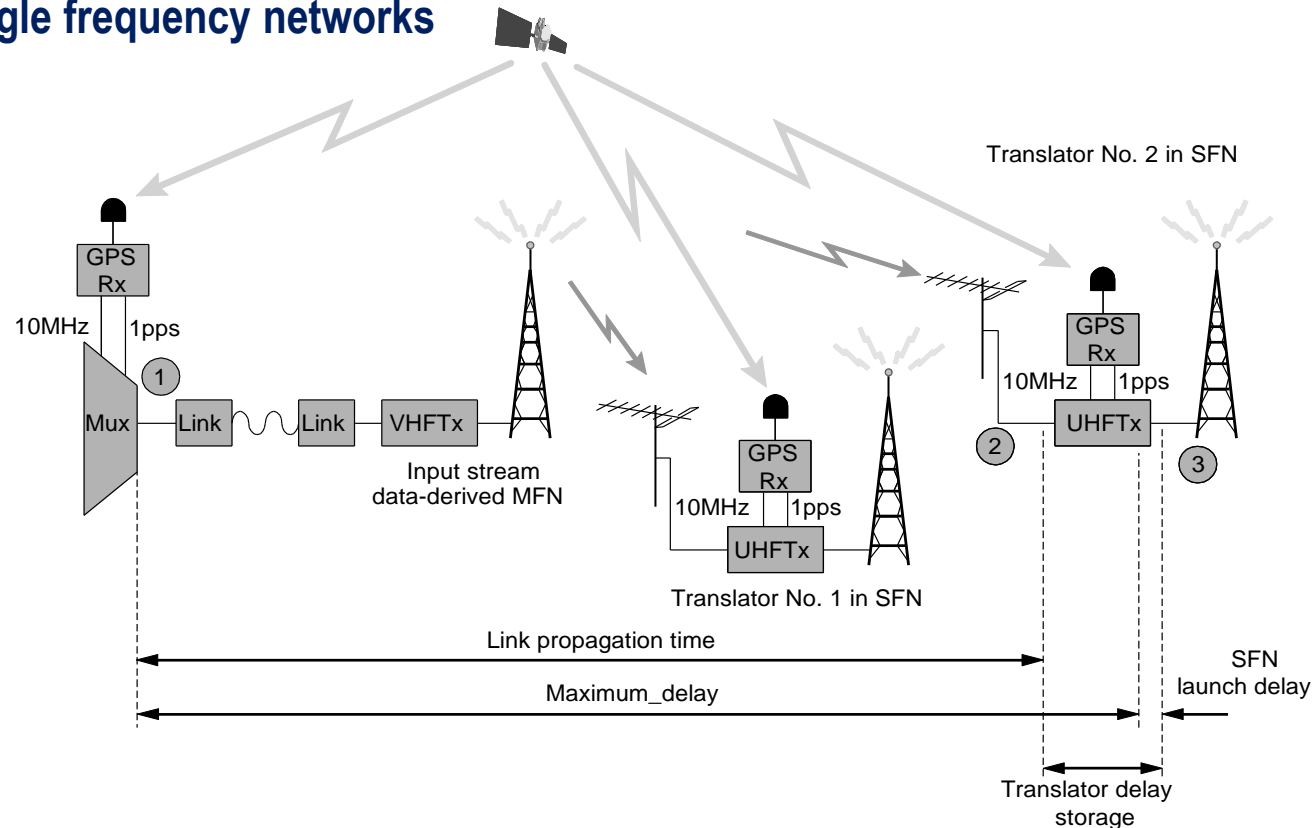


## Conventional SFN

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## Single frequency networks



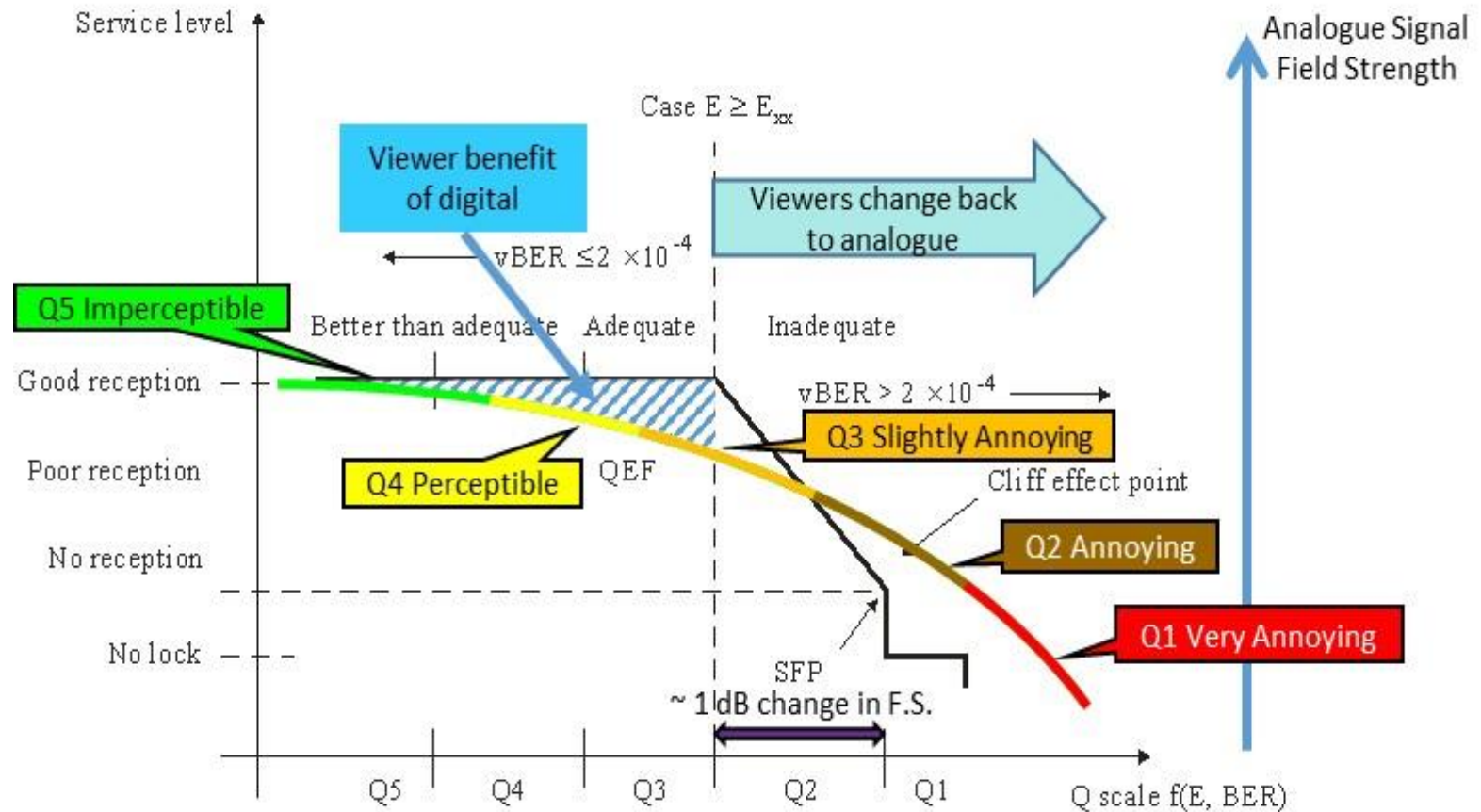
## MFN FED SFN TRANSMISSION SYSTEM (1 + n)

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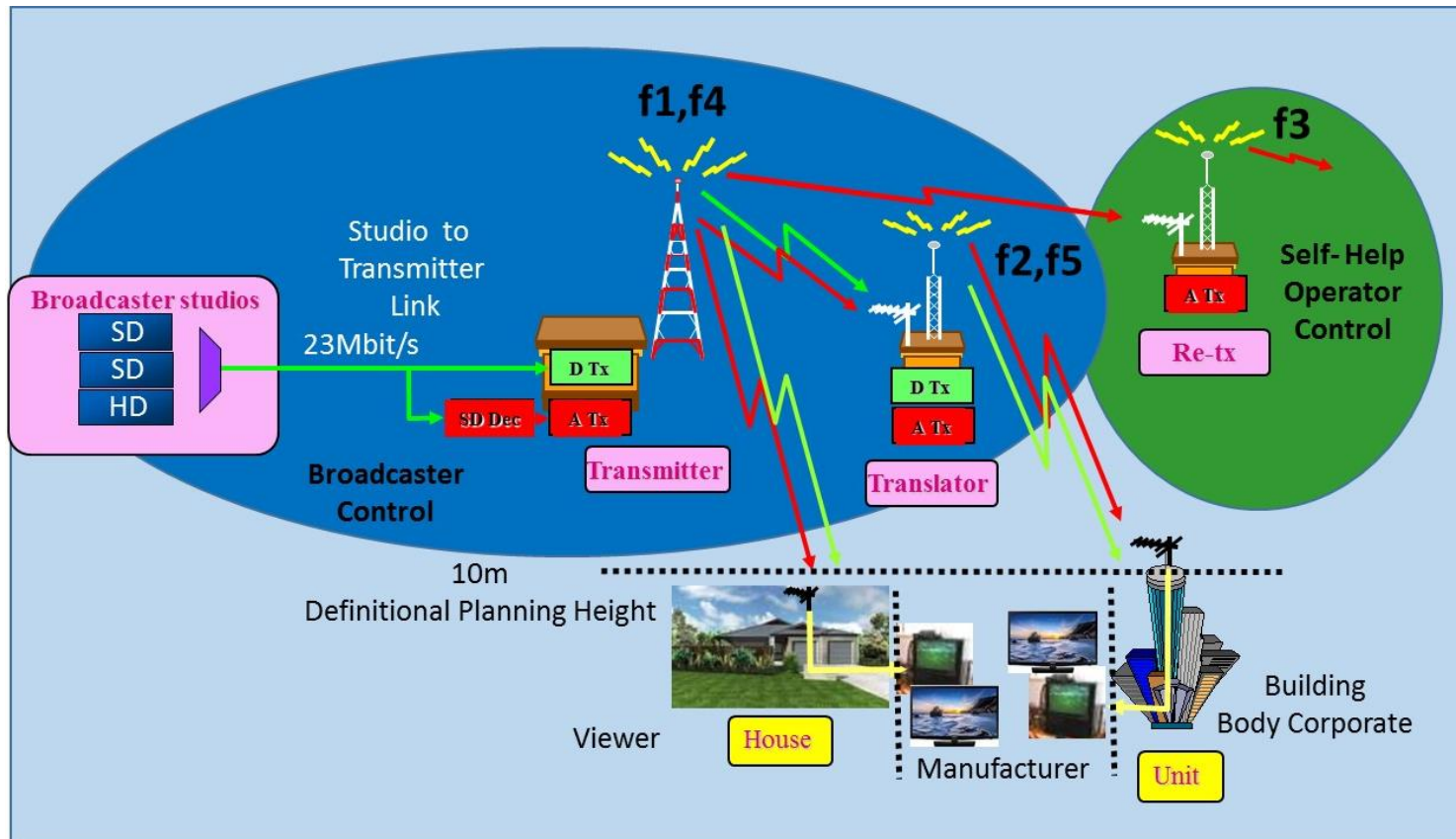
## Planning parameters and interference threshold limits



BT1735-01b

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## Digital Switchover - simulcast

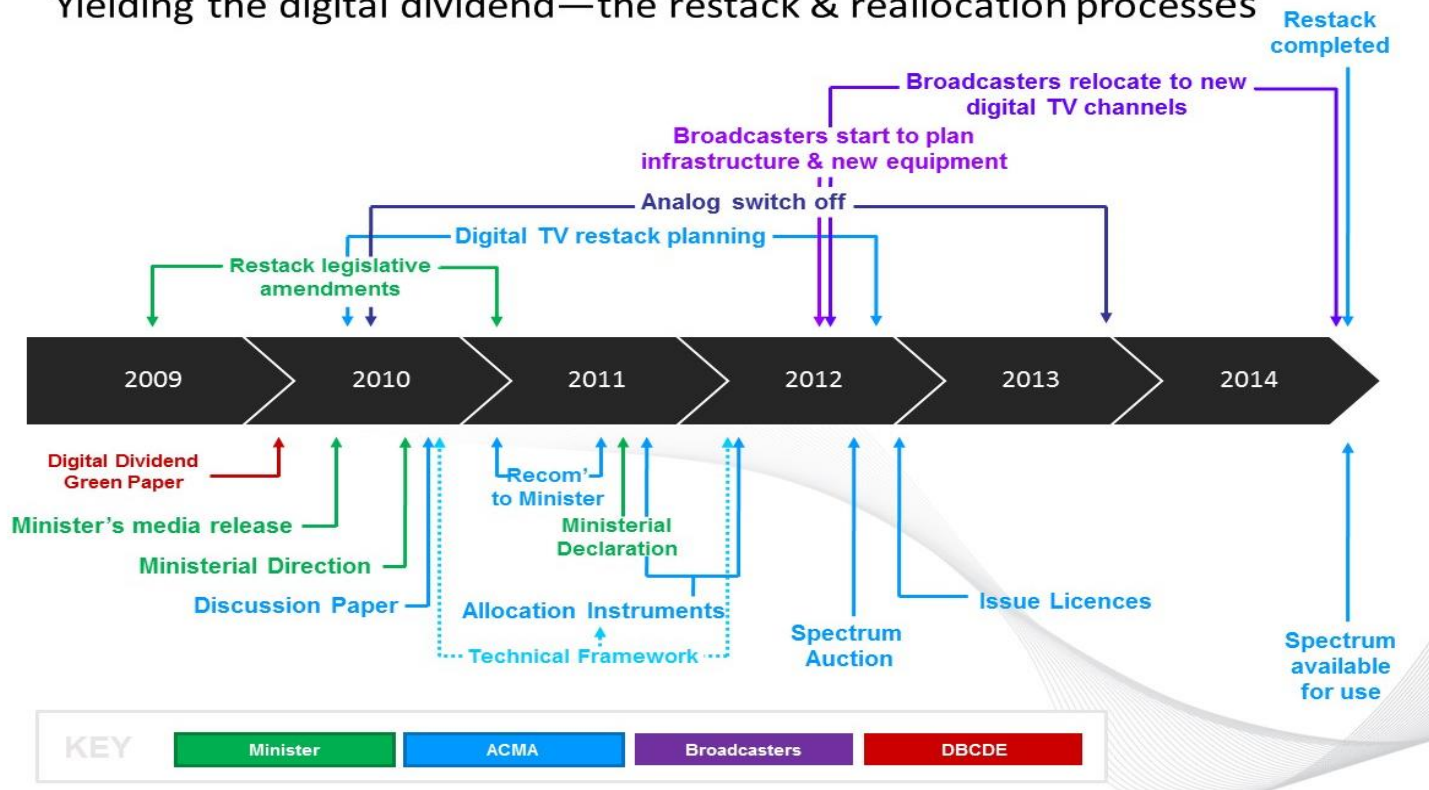


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## Digital Dividend

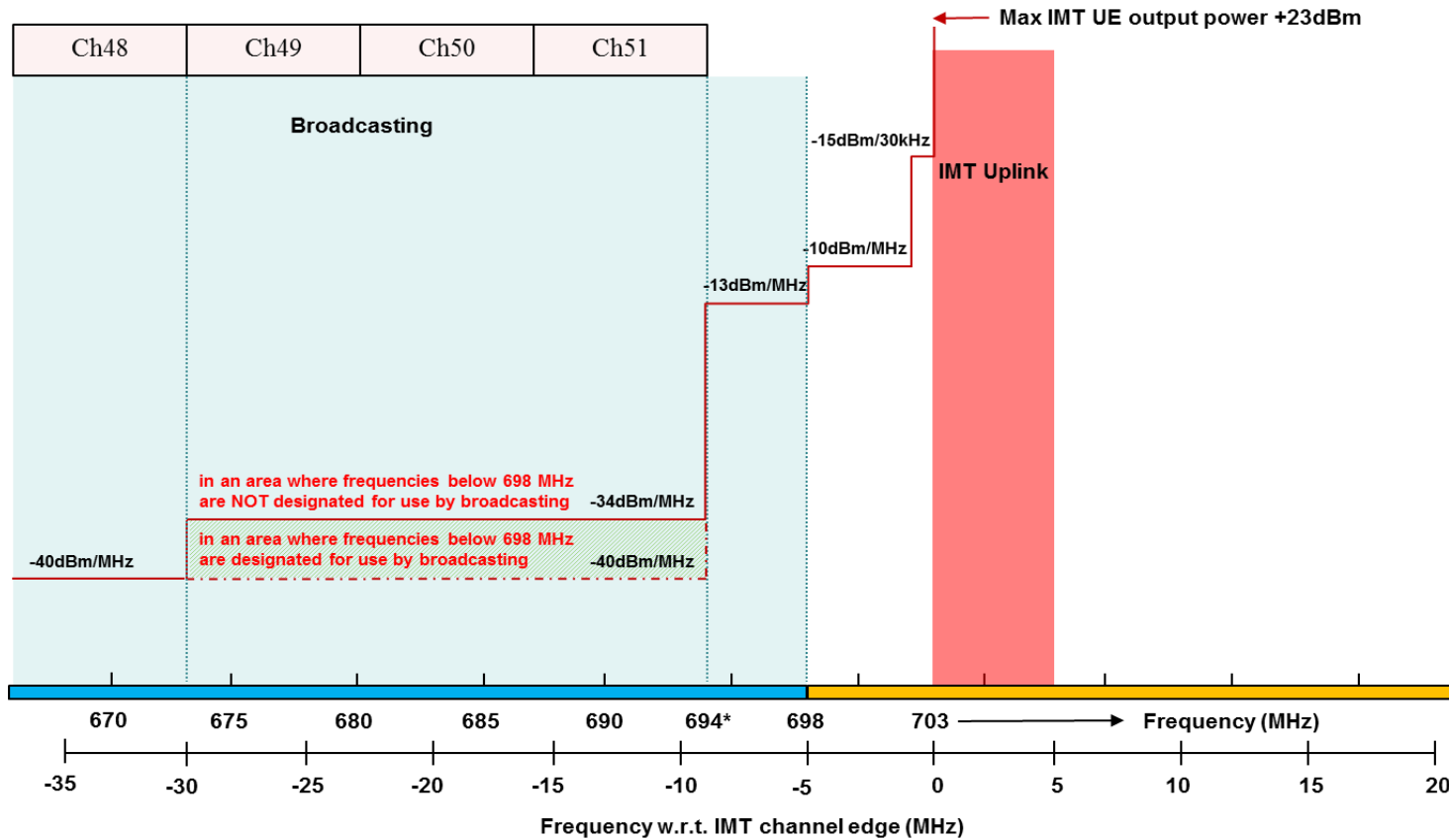


Yielding the digital dividend—the restack & reallocation processes



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## Digital Dividend



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## References

- [1] ACMA DTTB Planning Handbook
- [2] ACMA Technical Planning Guidelines
- [3] Recommendation ITU-R BT.1368 Planning criteria, including protection ratios, for digital terrestrial television services in the VHF/UHF bands
- [4] Recommendation ITU-R BT.1735 Methods for objective reception quality assessment of digital terrestrial television broadcasting signals of System B specified in Recommendation ITU-R BT.1306
- [5] Report ITU-R BT.2140 Transition from analogue to digital terrestrial broadcasting
- [6] AS4599 Digital television - Terrestrial broadcasting - Characteristics of digital terrestrial television transmissions, Standards Australia
- [7] *Draft* Implementation of Digital Terrestrial Television Broadcasting - Case Study – Australia, an ITU Development Sector publication

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