



User-Defined Agreements

**SMS4DC training seminar
24 – 29 June 2006**

ITU-BDT SMS4DC Regional Seminar for Arab States, Khartoum, Sudan, June 2006



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Agreement Elements

- Header of agreement
 - Member administrations
 - Concerned frequency bands
 - Covered radiocommunication services
- Technical procedures
 - Propagation models
 - Reference values and radiation limits
 - Reference distances
- Regulations
 - Modification
 - Implementation
 - Accession
 - Reservation
 - Termination

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SMS4DC Software

- Header
 - Name of agreement
 - Member countries
 - Incorporated radiocommunication services
 - Agreement category
 - Propagation models used in agreements
- Technical references
 - Frequency bands
 - Preferential countries in any frequency band
 - Cross Border Range (CBR), x-km or coordination distance
 - Effective Radiated Power and Permissible Interference Field Strength (PIFS)

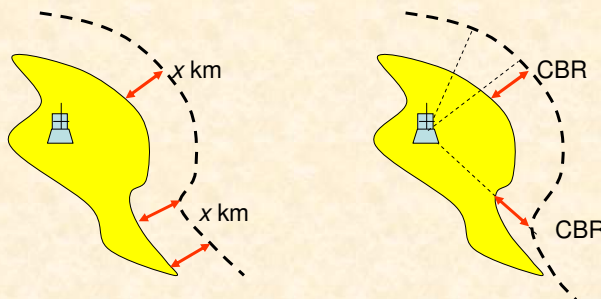
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CBR and X-km

- CBR: Locus of points with identical distance to the border along the line to TX
- X-km: Locus of points with identical distance to the nearest point of border

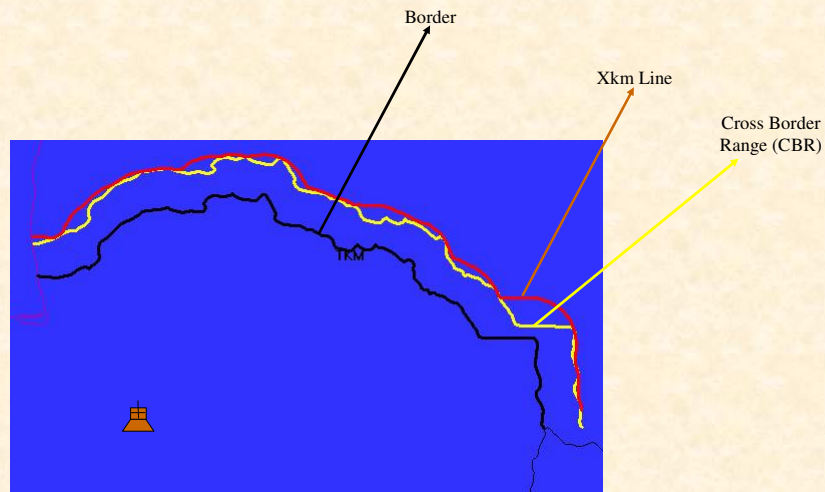


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CBR and X-km in SMS4DC

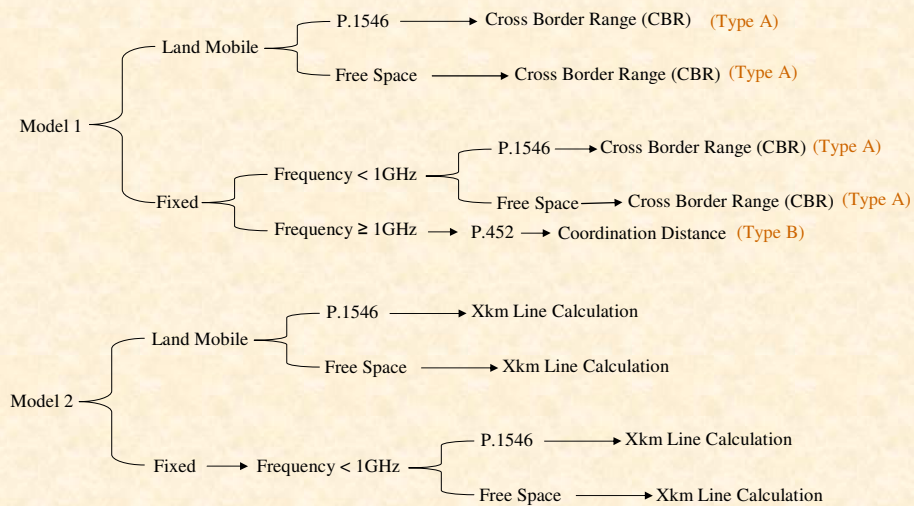


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Category of Agreements



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Entering an Agreement

- The item “Coordination ->Agreement” in DEM view
- PIFS: Permissible Interference Field Strength

Category of agreement

Browsing, addition and deleting toolbar

Frequency band definition

ERP of reference transmitter

AgID	LoFreq (MHz)	HiFreq (MHz)	PrefCountries	PIFS(dB)	CBB(km)	ERP(dBW)	Emergency
8	23.7	47		0	100	3	0
8	68	74.8		6	100	9	0
8	75.2	87.5		6	100	9	0
8	146	149.9		12	80	12	0
8	150.05	174		12	80	12	0
8	390	395		18	50	14	-1
8	390	395		18	50	14	-1
8	406.1	430		20	50	14	0
8	440	470		20	50	16	0
8	862	960		26	30	13	0

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Members List

Select Countries

Agreements

Preferential Countries

AgID	LoFreq (MHz)	HiFreq (MHz)	PrefCountries	PIFS(dB)	CBB(km)	ERP(dBW)	Emergency
8	23.7	47	GUI	0	100	3	0
8	146	149.9	GUI	12	80	12	0
8	68	74.8	GUI	6	100	9	0
8	75.2	87.5	GUI	6	100	9	0
8	150.5	174	MLI	12	80	12	0
8	390	395	MLI	18	50	14	-1
8	390	395	GUI	18	50	14	-1
8	406.1	430	MLI	20	50	16	0
8	440	470	GUI	20	50	16	0
8	862	960	MLI	26	30	13	0

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END