



User-Defined Agreements

SMS4DC training seminar
1 – 10 May 2006

ITU-BDT SMS4DC Regional Seminar for African countries, Dar-Es-Salaam, Tanzania, May 2006



1

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

ITU-BDT SMS4DC Regional Seminar for African countries, Dar-Es-Salaam, Tanzania, May 2006



2

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)

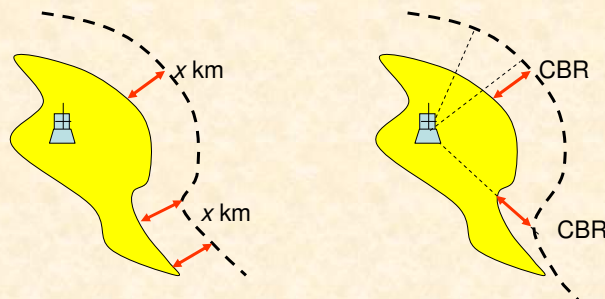
ITU-BDT SMS4DC Regional Seminar for African countries, Dar-Es-Salaam, Tanzania, May 2006



3

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

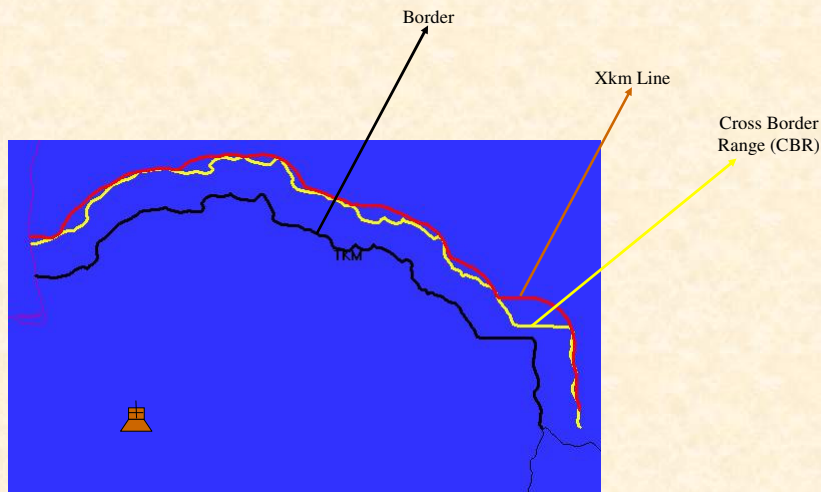


ITU-BDT SMS4DC Regional Seminar for African countries, Dar-Es-Salaam, Tanzania, May 2006

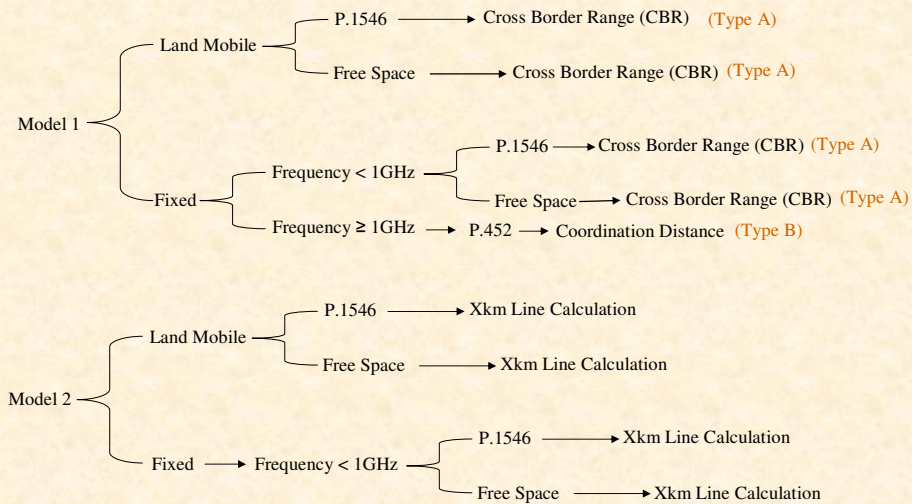


4

CBR and X-km in SMS4DC



Category of Agreements



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)	CRR(km)	ERP (dBW)	Emergency
8	29.7	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	380	385		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

ITU-BDT SMS4DC Regional Seminar for African countries, Dar-Es-Salaam, Tanzania, May 2006



7

Members List

Select Countries

Agreements

Preferential Countries

AgID	LoFreq (MHz)	HiFreq (MHz)	PrefCountries	PIFS (dB)	CRR(km)	ERP (dBW)	Emergency
9	29.7	47	GUI	0	100	3	0
9	146	149.9	GUI	12	80	12	0
9	68	74.8	GUI	6	100	9	0
9	75.2	87.5	GUI	6	100	9	0
9	150.5	174	MLI	12	80	12	0
9	380	385	MLI	18	50	14	-1
9	390	395	GUI	18	50	14	-1
9	406.1	430	MLI	20	50	16	0
9	440	470	GUI	20	50	16	0
9	862	960	MLI	26	30	13	0

ITU-BDT SMS4DC Regional Seminar for African countries, Dar-Es-Salaam, Tanzania, May 2006



8

END

