

Figure 2: Example of Spectrum Usage (Current System)

ALLOC	Spectrum Band (Frequencies)	Band A		Band B			Band C	Band D	Band E
	Objective	Broadcast		Commercial Mobile			Security	Internet Access	Unspecified (ISM)
	Priority	Primary		Primary			Primary	Primary	Primary
	Usage mode specified by government (Mode-G)	Exclusive		Exclusive			Exclusive	Commons ("unlicensed")	Commons ("unlicensed")
ASSGN	Spectrum Block (Area, Time)	A1	A2	B1	B2	B3	C	(D)	(E)
	Duration	10yrs		5yrs			5yrs	(indefinite)	(indefinite)
	Spectrum User (Licensee)	Broadcast Stations		Mobile-phone Providers			Police, Fire Stations	(NA)	(NA)
	Usage mode specified by user (Mode-L)	Club/commons		Club			Exclusive	(NA)	(NA)
Final user		Consumers, etc., of Services using Spectrum							

Figure 3: Example of Spectrum Usage (MLA) Note: Entries in *italics* are introduced anew in this example.

ALLOC	Spectrum Band	Band A		Band B			Band C		Band D	Band E	
	Objective	Broadcast		Commercial Mobile	<i>Unspecified</i>		Security	<i>Internet Access</i>	Internet Access	Unspecified (ISM)	
	Priority	Primary		Primary	<i>Secondary</i>		Primary	<i>Secondary</i>	Primary	Primary	
	Mode-G	Exclusive		Exclusive	<i>Commons (UWB)</i>		Exclusive	<i>Exclusive (overlay)</i>	<i>Exclusive</i>	Commons	
ASSGN	License (Spectrum Block)	A1	A2	B1	B2	B3	<i>BB</i>	C	<i>CC</i>	D	<i>E</i>
	Duration	10yrs		5yrs			<i>5yrs</i>	5yrs	<i>5yrs</i>	5yrs	<i>5yrs</i>
	Spectrum User (Licensee)	Broadcast Stations		Mobile-phone Providers			<i>Public Agent</i>	Police, Fire Stations	<i>Union of Internet Access Providers</i>	<i>Union of Internet Access Providers</i>	<i>Public Agent</i>
	Mode-L	Club/ commons		Club			<i>Commons</i>	<i>Club</i>	<i>Club</i>	<i>Commons</i>	<i>Commons</i>
	<i>Lease price</i>			<i>(D e t e r m i n e d b y a u c t i o n)</i>							
	<i>Amount ROD-insured (Relocation cost)</i>			<i>(S p e c i f i e d b y s p e c t r u m u s e r)</i>							
Final user		Consumers, etc., of Services using Spectrum									

Fig. 4: Insurance-Compensation for Re-Allocation

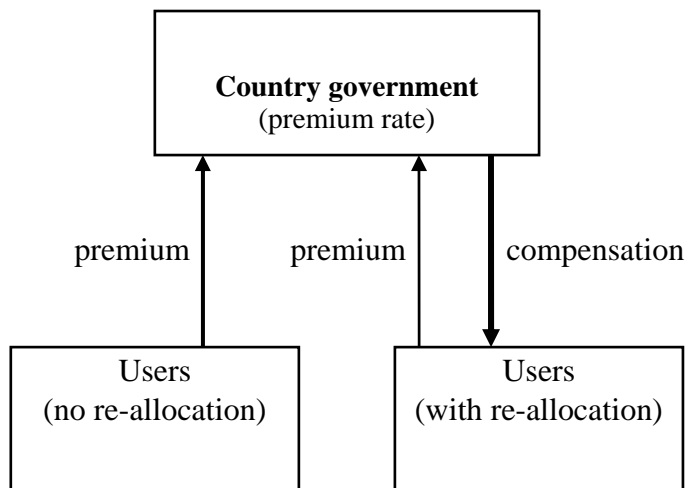


Fig. 5: International Insurance-Compensation for Re-Allocation

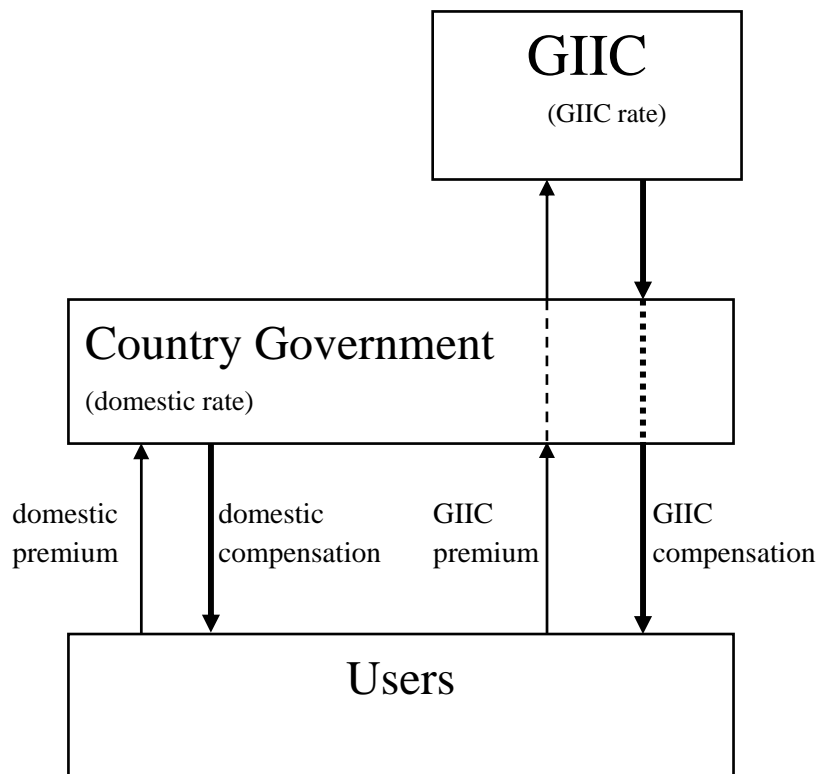


Fig. 9: Various systems for using spectrum

System \ Usage Mode / User		Exclusive	Club	Commons
A. Public Property (Current System)	private	licensed out (no rent)	licensed without limit (no rent)	unlicensed
	government	direct agreement between government users / controller		
B. Private or public property	private	auctioned out initially free resale	(offered by private exclusive users)	
			(offered by government users)	
	government	direct agreement between government users / controller		
C. <i>Public property competitive lease* (MLA)</i>	private	<i>auctioned out periodically</i>	<i>(offered by private exclusive users)</i>	
			<i>(offered by public agents)</i>	
	government	<i>auctioned out periodically to public agents or government users</i>		
D. Public property for direct open use	private	unlicensed (open use)		
	government	direct agreement between government users / controller		