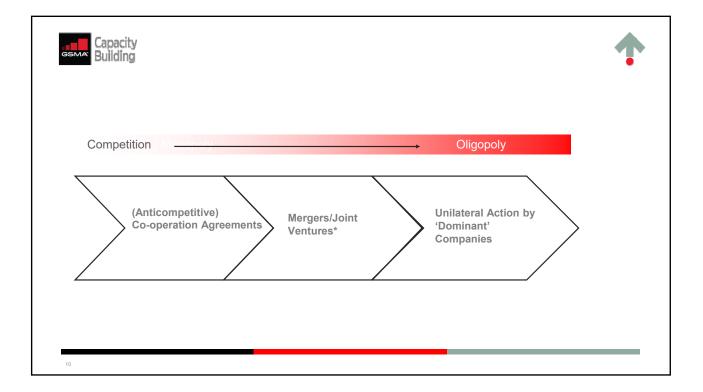
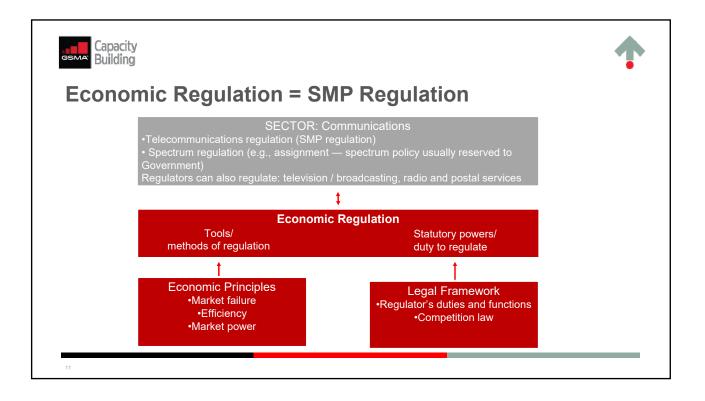
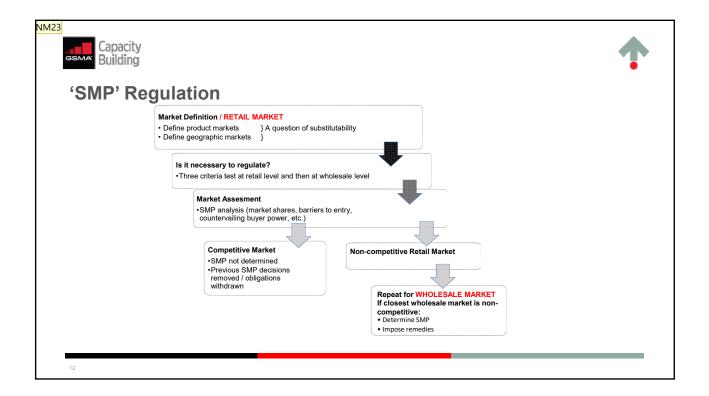
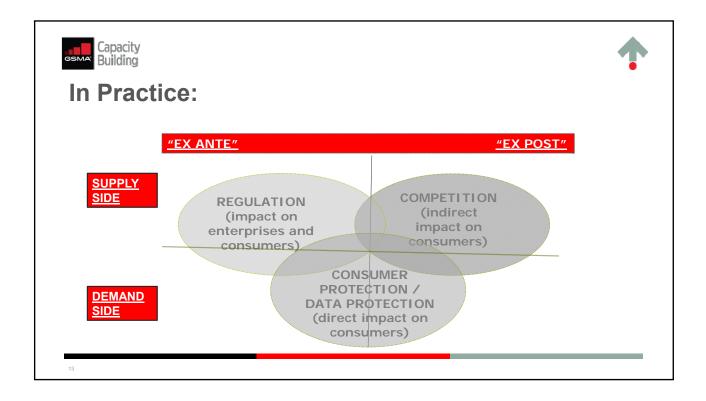


Capacity Building Overlap: two ways to skin a cat				
	Problem	Regulation Solution	Competition Solution	
	Excessive Pricing	Pricing controls	Abuse of dominance	
	Rights to access	Access controls	Essential facility finding	
	Monitoring	Regulatory accounts	Submit to regulations governing behaviour	

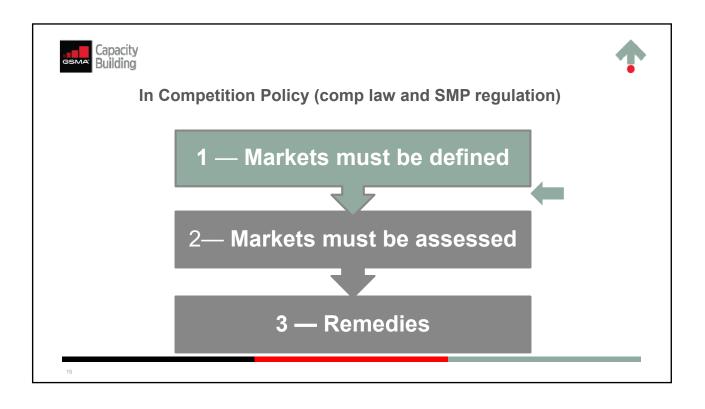




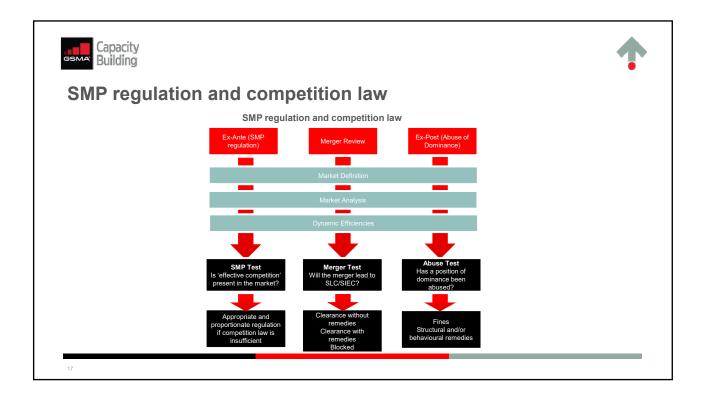


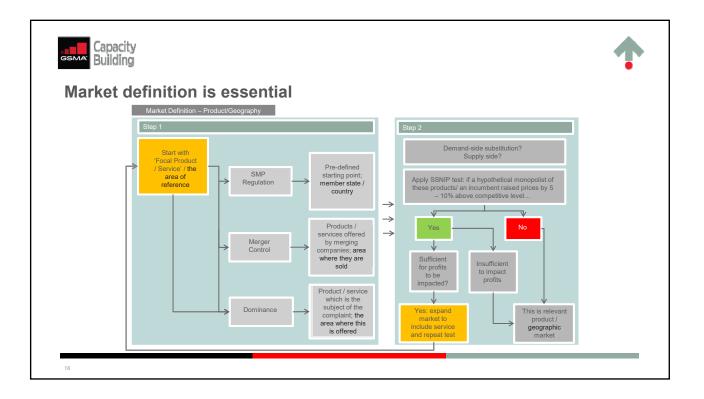


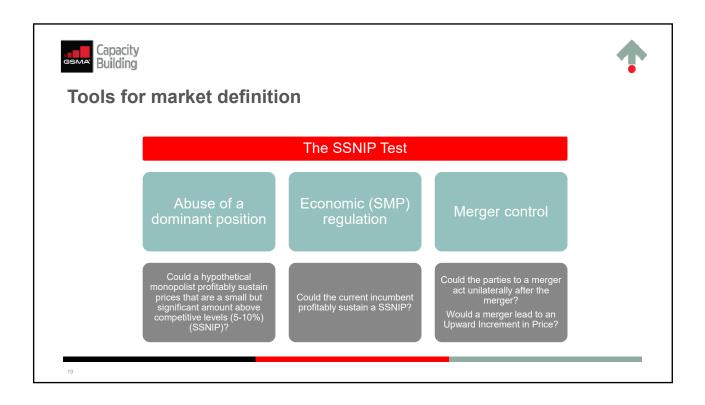
The Ov	erlappin	g Regulato	ors		•
	Two agencies:	Two agencies:	Two agencies:	One agency:	One agency:
	Competition authority + sectoral regulator	Regulator with concurrent powers in competition law	Regulator has excl. jurisdiction to apply comp. law to telcos	Only the regulator, only regulation	The integrated model
EXAMPLES	Most countries	Hong Kong, UK	Malaysia, Singapore	Cambodia	New Zealand, Holland, Spain
+++ ADVANTAGES	Comp. Law is applied equally to all sectors	Comp. Law applied with expertise	Comp. Law with sector expertise but no safeguards	Convenience Complies with WTO	Comp. Law and regulation across all sectors
 RISKS	Lack of cooperation (regulator's expertise)	Regulators apply regulation. Comp Auth defers to regulator	Sectoral application of comp. law.	Only telcos are subject to rules	Need for funding and coordination. Risk of + agencies 1 roof

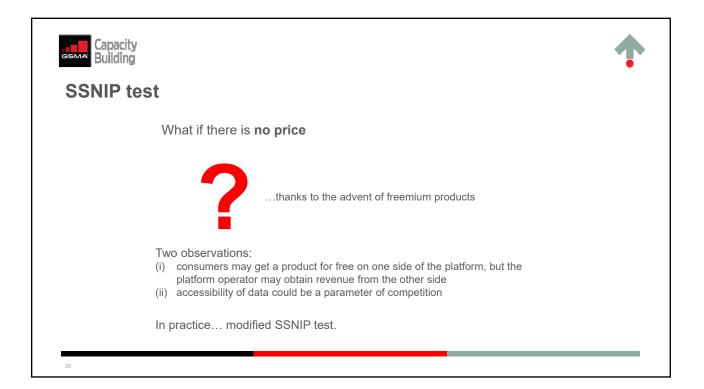


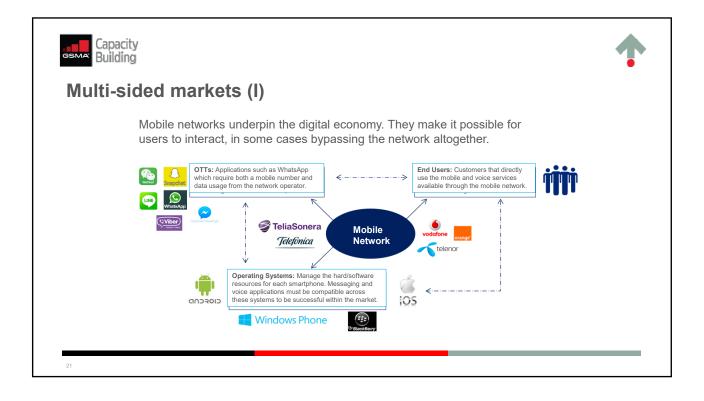


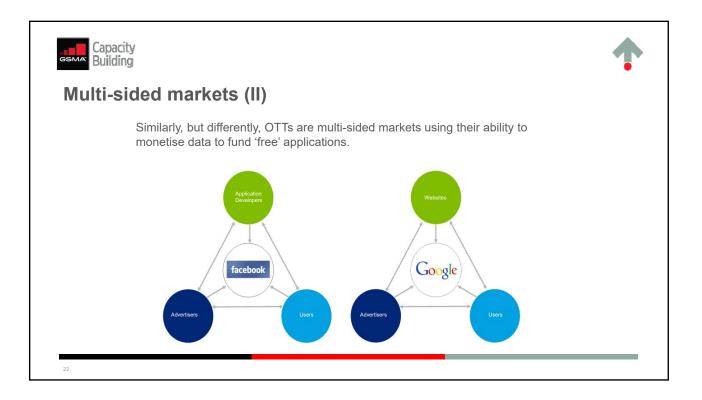




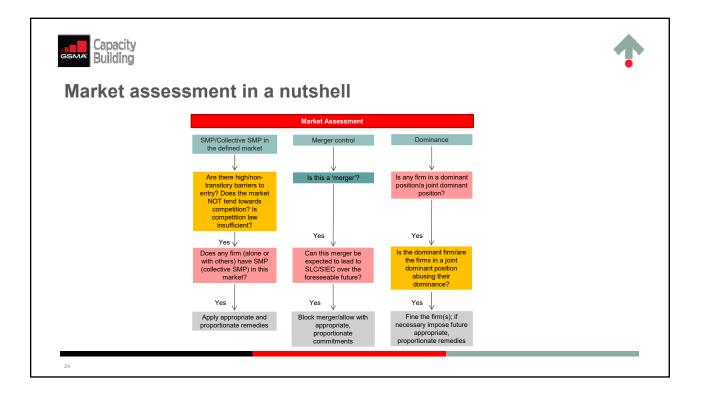


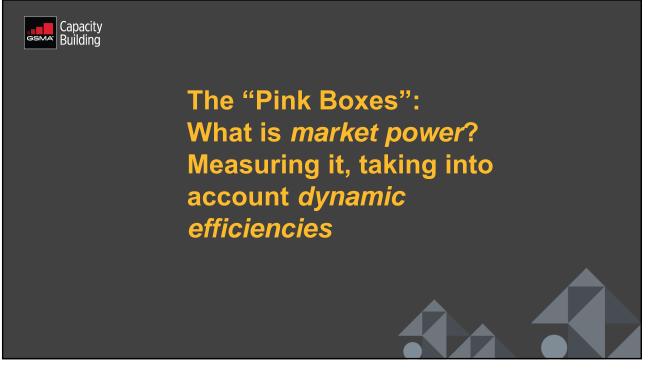


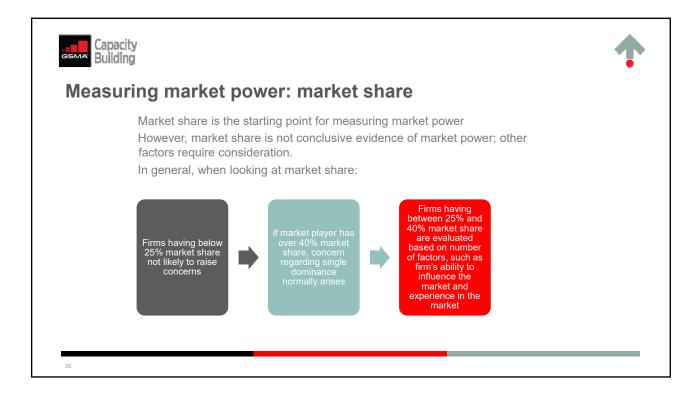


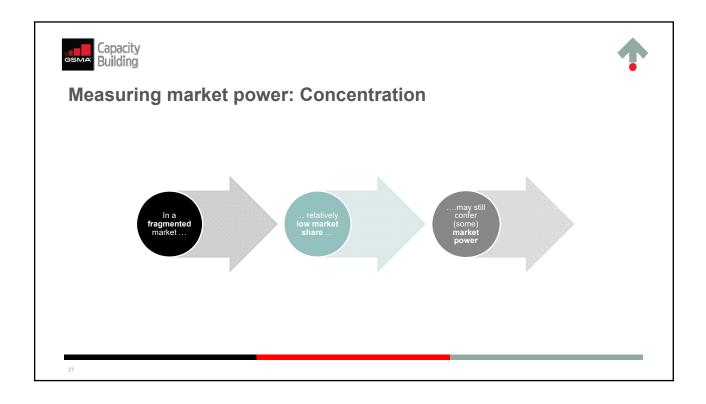


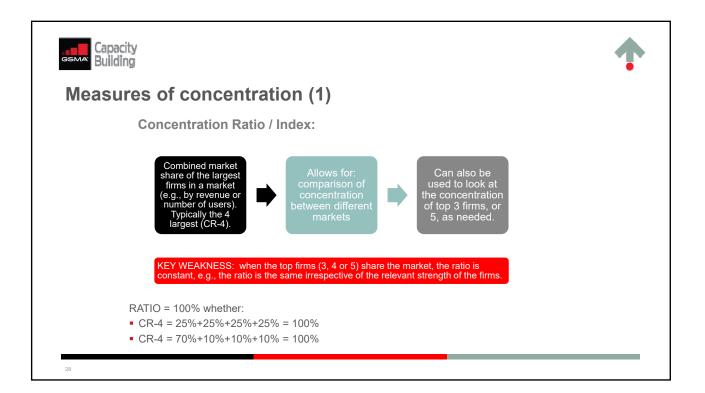




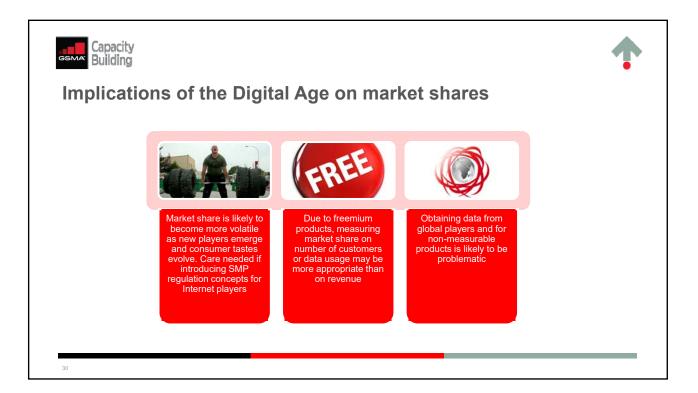




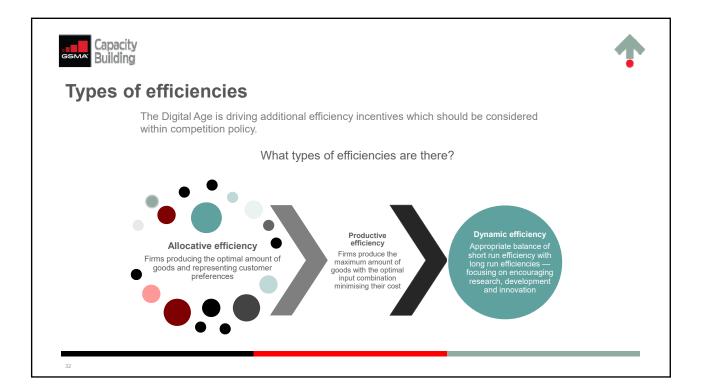


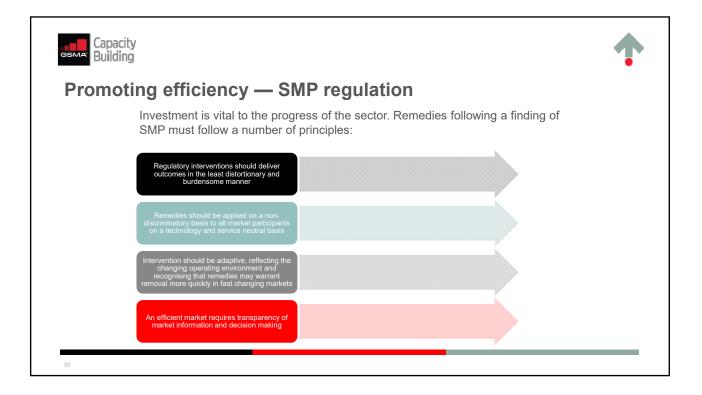


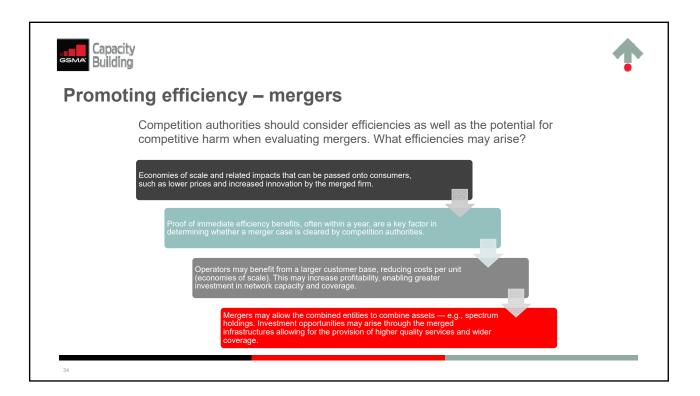
Capacity Building	^
Measures of concentration (2)
Herfindahl-Hirschmann Inde	X:
The ∑ of squared mark (markets with perfect co (monopoly	ompetition) and 10,000
Addresses KEY WEAKNESS	of concentration ratio.
Example: HHI = 25%+25%+25% = 24 HHI = 70%+10%+10% = 70	
In merger control: HHI = below 1,500 = UNCONCENTRATED HHI = 1500-2500 = MODERATELY CONCE HHI = above 2500 = CONCENTRATED	
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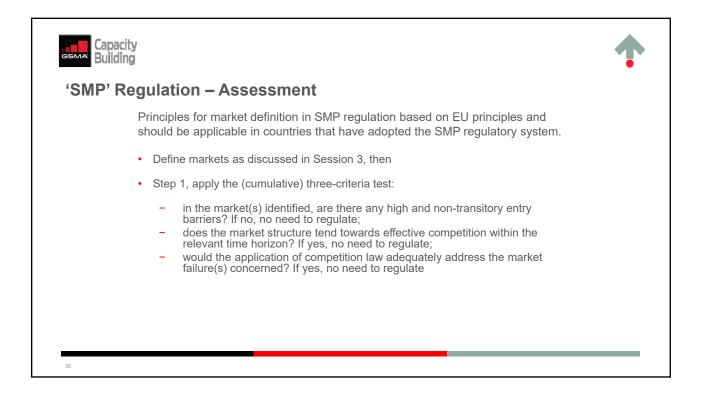
acity ding		1
iring market pow	er — a dynamic concept in the Digital Ag	e
Factors	The Digital Age	
Lack of barriers to entry and expansion	Traditional barriers to entry are lowering: • Open source software facilitates interoperability and new entrants • Switching between mobile operators is now a relatively simple process • Sunk costs are lowered, for OTTs at least Barriers to expansion could also be lower: • Brand recognition — e.g., Microsoft and Apple when entering new markets • Telcos moving to new parts of the value chain — e.g., operators + Internet players	
Countervailing buyer power	Countervailing buyer power is increasingly important — even firms with high market shares need to innovate and stay relevant	
Bidding markets	Where firms bid (e.g., for spectrum licences) bidding should deliver efficient market outcomes despite few or only one player ending up with ownership of the resource	

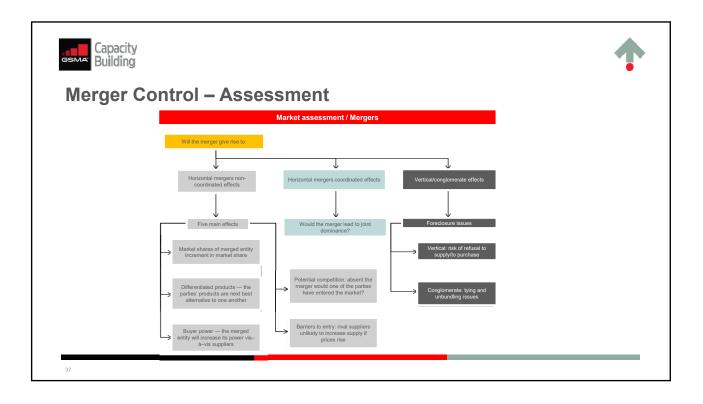


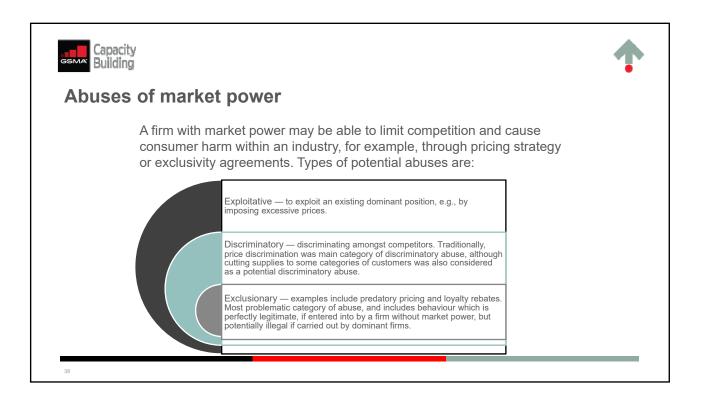


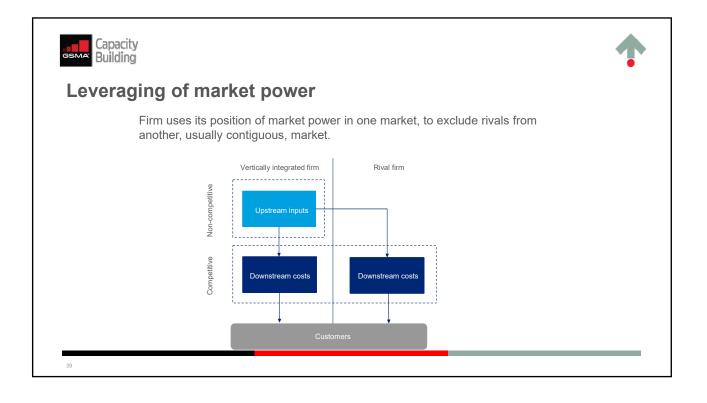


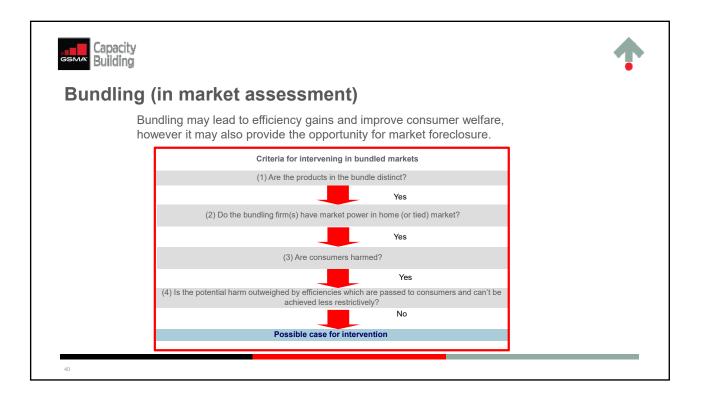




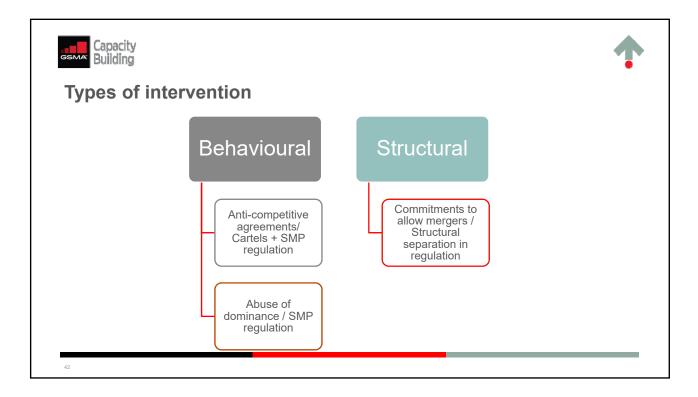






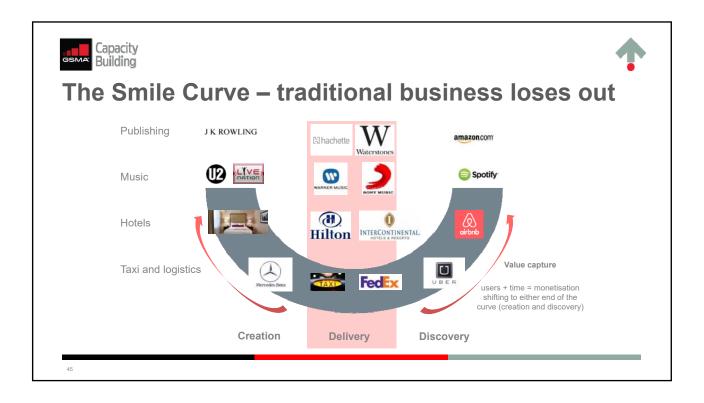


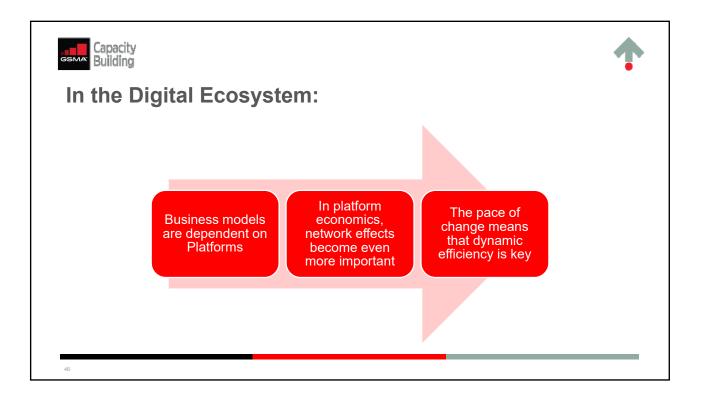


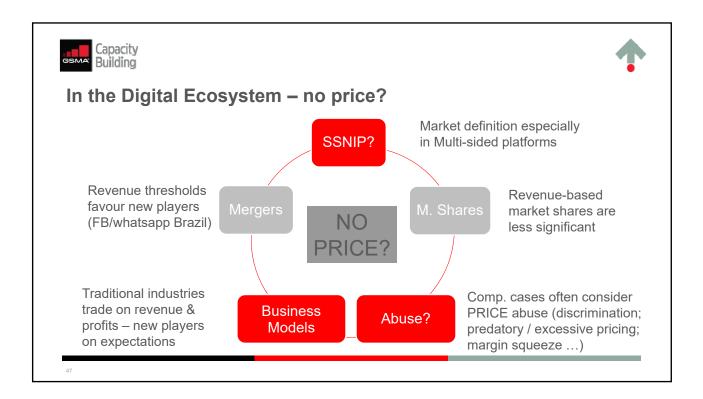


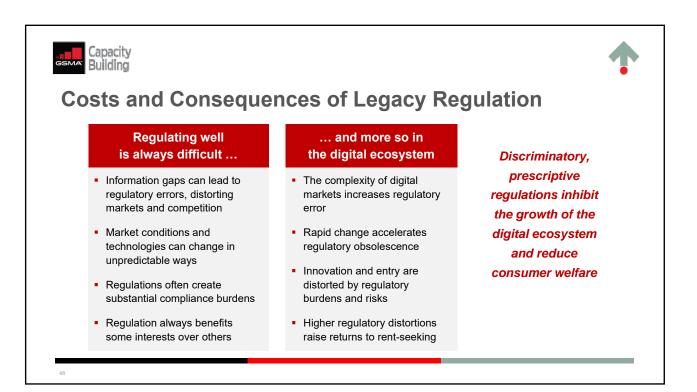
-		
dies in SMF	P Regulatio	n
	Issue	Potential Remedies
Excessive prices		Charge control
		Ex ante margin squeeze
		Cost accounting
Input foreclosure (e.g., refusal to supp	ly)	Obligation to provide network access (general and/or specific)
		Requirement not to unduly discriminate
		Publication of Reference Offer
		Notification of changes to charges and technical information
		Equivalence of inputs
		Accounting separation
		Cost orientation
Reduction in service	quality (wholesale)	Quality of Service obligations (e.g., minimum standards, KPI reporting)

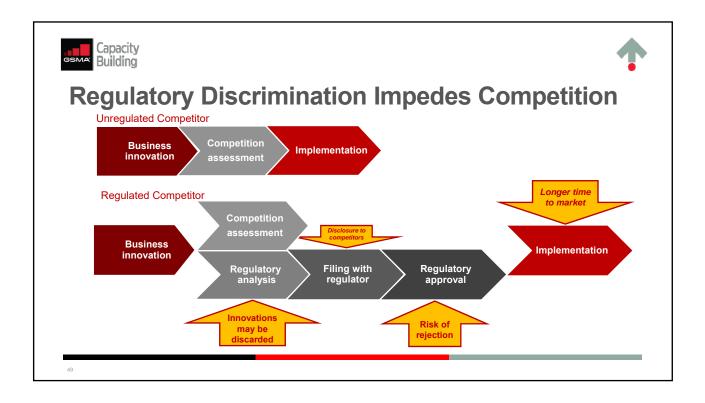




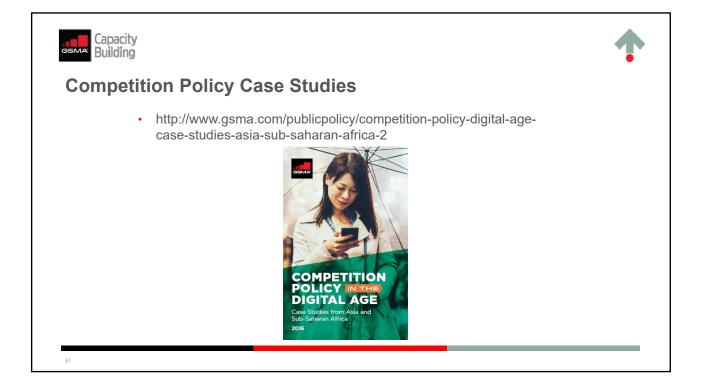












Capacit Building	y J			1
Case St	udies — Structure			
	Introduction			
	Asia	Sub-Saharan Afric	a	
	Appendix 1 – Spectrum in Competition Policy	Appendix 2 – SMP Regulation in Practice		
		Flowchart 2	Flowchart 1	
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