













Cellular Telephone Network	
 How does the network direct a call to a cell phone? Mobile users move around Turning on cell phone 	
 Cell phone registers with base station 	
 Information recorded at Mobile Telephone Switching Office (MTSO) 	
 Calling cell phone 	
• Call directed to MTCO	
Call directed to MISO	
 MTSO redirects call to cell recorded in database 	
 Moving between cells 	
 MTSO monitors signal strength 	
 MTSO coordinates "handoff" to new cell 	
 Many more details in practice 	
Important note: no satellites involved!	
 Satellite phones exist, but are rarely used 	
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