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exp 8
Drafts Free

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Flow 1

Public Land Mobile Network (PLMN)

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Public Land Mobile Network (PLMN)
Public Land Mobile Network refers to the entire infrastructure and system that allows mobile devices (such as cell phones and laptops) communicate wirelessly within a designated coverage area.
Components of PLMN:
• Base Stations (Cell Towers): Transmit and receive signals and from mobile devices within their coverage area.
• Mobile Switching Center (MSC): Manages the connections between mobile devices and facilitates routing.
• Home Location Register (HLR): Stores subscriber information and handles tasks related to authentication and call routing.

Flow 2
iPhone 16 - 3
Mobile Location Register (MLR): Manages temporary subscriber information for devices currently within the coverage area.
Cellular Structure
PLMN is often organized into cells, each served by a base station. The entire coverage area is divided into these cells, allowing for efficient use of frequency spectrum and accommodating a large number of users.
Coverage Areas
• PLMNs cover a specific geographical area and multiple PLMNs collectively provide extensive coverage, allowing users to communicate seamlessly while moving within the network.
Network Operators

iPhone 16 - 4
PLMNs are operated by network operators, which can be telecommunications companies or service providers. These operators are responsible for the deployment, maintenance, and management of the network infrastructure.
Inter-network Roaming
• PLMNs support international roaming, allowing users to use their mobile devices in different countries. This is made possible through agreements and partnerships between network operators.
• PLMNs provide a range of communication services, including voice calls, text messaging (SMS), and mobile data services.

iPhone 16 - 5
THE END...

Prototype settings
iPhone 16
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Flows
Flow 1
Flow 2

Removing a connection
To delete a connection, click and drag on either end.

Running your prototype
Use the play button in the toolbar to play your prototype. If there are no connections, the play button can be used to play a...

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