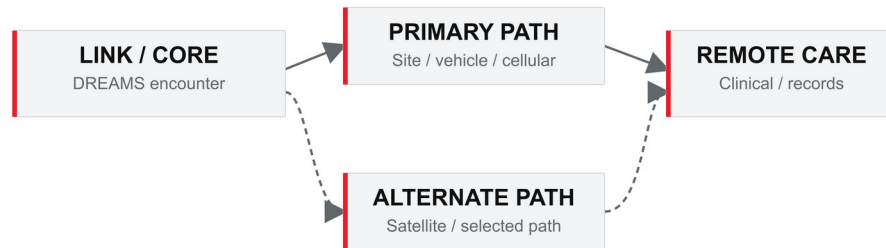


PUBLIC TECHNICAL DATASHEET 06 | EDITION 1.3 | SEPTEMBER 2026

LifeBot ICM

Mission communications architecture for the Medical Command Network



The customer design sets path policy, traffic priorities and alternate contact arrangements.

Conceptual primary and alternate network paths. Equipment, services and routing policy define the deployment.

The Intelligent Communications Manager (ICM) organizes selected network paths between patient-side systems, remote clinical workspaces and records services. It combines available site, vehicle and remote network resources with a deployment-specific path policy.

Transport / option	Configuration role
Ethernet / Wi-Fi	Site, vehicle and local-network access
4G / 5G	Selected modem, SIM/eSIM, antenna and carrier service
FirstNet / Band 14	Compatible equipment and an applicable service profile
Satellite	Selected terminal, IP service and gateway arrangement
Radio path	IP-capable radio service or an identified gateway/interface
Location services	Selected GPS/AVL source, update profile and permitted destination

Select routers, modems, gateways, firmware, antennas and service licenses in the ICM equipment schedule.

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ICM policy and interfaces

Selectable path policies and integration requirements

Policy functions depend on the selected network equipment, firmware, licenses and endpoint services. Include the required functions in the communications design.

Selectable policy function	Technical meaning
Path selection / failover	Choose an allowed path and move to an alternate under configured conditions
Per-flow balancing	Assign different traffic flows across selected available paths
Bonding / aggregation	Use multiple paths through compatible selected equipment and endpoint services
Traffic prioritization	Apply the selected policy to consultation, telemetry, media and record traffic

Deployment specification fields

Area	Information required by the selected design
Equipment	Router/gateway/modem models, firmware, licenses, interfaces and antenna system
Service paths	Carriers, terminals, radio gateways, SIM/eSIM and coverage/service conditions
Network interfaces	Ethernet/Wi-Fi interfaces, IP addresses, VLANs, routes, DNS and service ports
Protected access	Selected tunnel, authentication, segmentation and certificate/key arrangements
Restoration	Health checks, thresholds, timers, retry policy and application reconnection behavior
Physical / electrical	Enclosures, mounts, cabling, input power, thermal limits and power budget
Performance profile	Traffic mix, operating conditions, measured rates, delay and transition results

Applicable Link and Core local documentation can continue during loss of remote participation. Specify application reconnection and record reconciliation separately from network-path restoration.

Throughput, coverage, path transitions and application reconnection depend on the selected equipment, services, network conditions and traffic profile.

Make the interface and evidence explicit

Illustrative interface row — source: a selected Link/Core encounter; destination: the configured Matrix record service; direction: patient side to records; payload: selected encounter package; identifiers: patient, encounter and submission identity agreed in the interface design. Observe local save, submission status and a separately locatable received record. Record rejection, duplicates or unmatched identifiers and the responsible owner. These are evaluation fields, not a tested interface claim.

[Configuration reference and illustrative interface contract](#)

[Configuration and evaluation worksheet](#)

[LifeBot Public Release Set v1.3 — all documents and formats](#)