

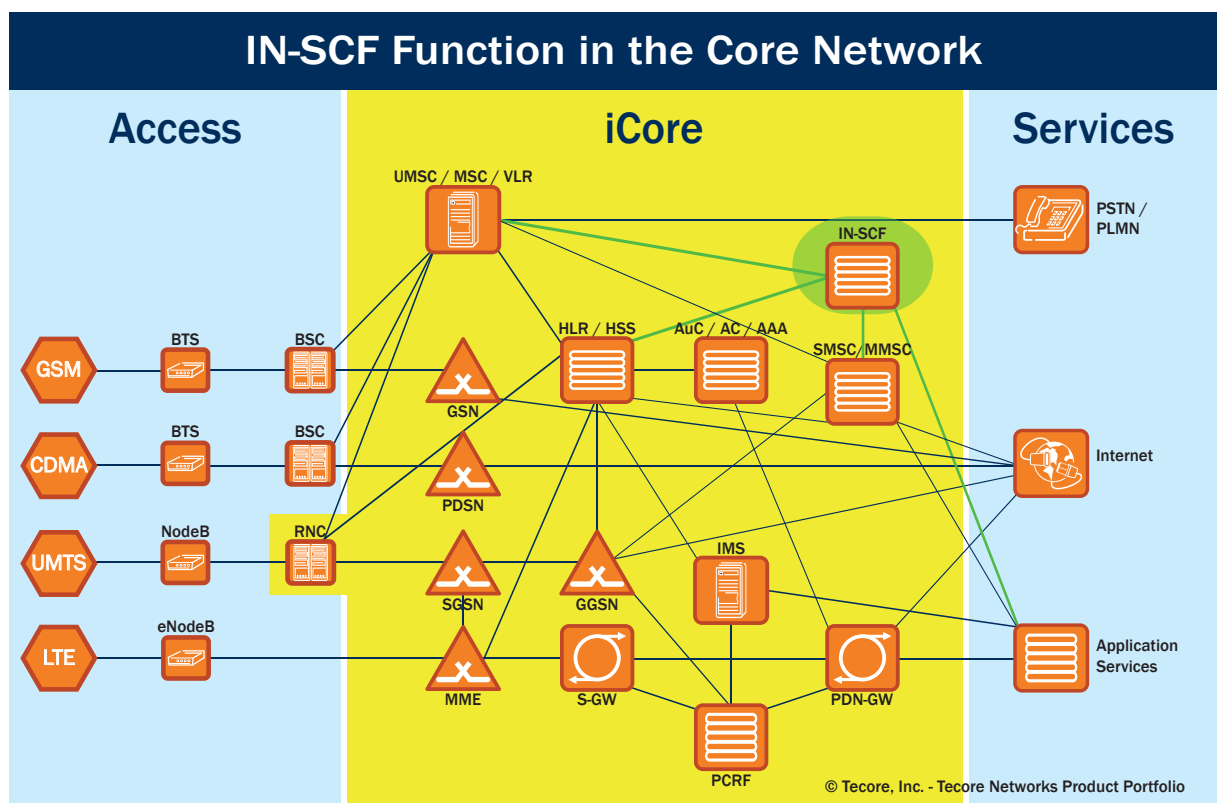
GSM / UMTS Intelligent Network



The Intelligent Network (IN) platform enables GSM and UMTS operators to develop unique value-added services to attract and retain subscribers and generate incremental revenue. Compliant with 3GPP CAMEL specifications, the iCore IN-Service Control Function (IN-SCF) provides the necessary logic to implement services, communicates with switches external to the network to support a uniform subscriber experience while roaming, and ultimately enables a consistent feature set between mobile and wireline networks.

The IN-SCF can be deployed on a standalone basis, on a carrier-grade platform, as part of a macro network. It can also be integrated into a complete, multi-technology iCore network from Tecore, allowing operators to reap revenues from unique, innovative value-added services.

- ### Features
- Compliant with 3GPP CAMEL specifications
 - Supports roaming with other CAMEL networks
 - Wide range of prepaid service options
 - Platform to develop unique value-added services including complex routing and location-based
 - Available on standalone basis or integrated with a complete iCore network



Prepaid and Other Value-Added Service for Commercial Carriers

The iCore IN-SCF supports Tecore's popular prepaid feature set, but is also the foundation for a range of operator-defined services including but not limited to:

- Complex call routing
- Mobile banking
- Location-based services
- Televoting
- Virtual private networks
- Universal telephone number
- Call screening
- Toll-free calls / freephone
- Telephone number portability
- Broadcast calling

Hardware Platforms



Compact PCI



µTCA



ATCA

Software Specifications

PREPAID FUNCTIONALITIES

- Balance threshold
- Low balance warning
- Zero / Low balance cutoff
- Top-up / Recharge IVR
- Balance announcement IVR
- USSD Top-up / recharge (includes alternate account recharge)
- USSD balance transfer
- USSD balance inquiry
- Monthly, periodic, per-call, tax charges
- Balance expiration (includes dynamic recharge expiration)
- SMS balance notification
- Free inbound / outbound minutes
- Free / not free based on dialed number (call type)
- Charge from start or from connect (unanswered international calls)
- Suspended caller routes to support
- Individual calling cards have associated billing method
- New features
- Roaming prepaid
- Real time period-by-period debiting
- Destination-based rating for air, land, SMS
- Origin / location-based rating for air, land, SMS
- Per-subscriber / account day-of-year rate multipliers
- Peak / off-peak rates for air, land, SMS
- Individual service charges have associated dates
- Dialed number can be free land, chargeable air or vice versa
- Encrypted debit / scratch cards have a unique control number different from card number

STANDARDS COMPLIANCE

- CAMEL Phases 1, 2, 3 and 4

INTERFACES

- IN-SCF to HLR: GSM MAP
- IN-SCF to SSF: CAP

CONFIGURATION AND OA&M

- SCF will generate CDRs for IN subscribers roaming off-network
- For all IN calls, the SCF will generate IN-specific and service-specific data for inclusion in CDRs
- Use of intuitive GUIs for local and remote system management
- System-wide performance / alarm logs, traffic CDRs and CAMEL-specific operational measurements