

Telecommunication Protocols Consultancy

OVERVIEW

Consultancy is provided in all areas associated with telecommunication signalling. The emphasis is on **Signalling System #7 (SS7/C7)**, **Intelligent Networks (IN/AIN)**, the **IP Multimedia Subsystem (IMS)**, and so called **"next-generation" services**.

Additionally we are now offering consulting in areas relating to the intersection of **Web 2.0**, **semantic web technologies** and **person-to-person communication clients**.

PRICE

\$75.00 to \$220.00 USD/hour depending on project specifics (duration, location, on/off site, etc)

For more information please [contact us](#).

*For all EU Member Countries All Prices Exclude VAT.
For non-EU Member Countries All Prices Exclude Local Taxes (where applicable).*

CONTACT

Lee S Dryburgh

Lead author of **Signalling System No. 7 (SS7/C7): Protocol, Architecture, and Services**.

lee@dryburgh.com

www.ss7.net

EXAMPLE CONSULTANCY

- # Migration to **SS7oIP (SigTran)** strategies.
- # **SigTran** network implementation advice e.g. where to use **M2UA**, **M2PA**, **M3UA** or **SUA**.
- # SS7 network security reviews including **short message service (SMS)** and associated **mobile application part (MAP)** audits.
- # SS7 packet screening designs (**SS7 "firewalling"**).
- # **SS7 interconnect** testing and validation.
- # **CAMEL** service creation.
- # Message screening (SMS, EMS and MMS) e.g. advising on **global title translation (GTT)** data fill to block short message spam.
- # Protocol interworking validation e.g. **SS7-SIP interworking**.
- # **GSM** and **GPRS NSS** signalling conformance testing.
- # Test specification interpretation e.g. **UK ISUP** (PNO Spec 7).
- # ITU-T **SS7 conformance** (ITU-TS Q.78x series) testing.
- # Development and implementation of test strategies for **national variants** of SS7.
- # SS7/C7 interface validation tests (IVT).
- # SS7/C7 **interworking** tests (IWT).
- # **Jabber (XMPP/Jingle)** and **SIP/SIMPLE** based interaction with **Semantic Web triple stores**.
- # Real-time **Semantic Web** data aggregation from **GSM/CDMA** network signalling (e.g. **MAP-LocationUpdate**), subsequent **RDF** storage and **Pellet** processing.
- # Methods to auto-construct **social network topologies** based on analysis of network signalling.