Systems & Network Training

Essential QSIG

A 1 day training course

Description

A concise overview of QSIG, covering the development, current use and future of this private network signalling protocol.

Key outcomes

By the end of the course delegates will be able to:

- ✔ Describe the use of QSIG.
- ✔ Describe the evolution of QSIG.
- ✔ Describe functionality of the QSIG Protocol Stack.
- ✔ Describe functionality and use of the main Supplementary Services and Additional Network Functions within QSIG.

Training approach

This structured course uses Instructor Led Training to provide the best possible learning experience. Small class sizes ensure students benefit from our engaging and interactive style of teaching with delegates encouraged to ask questions throughout the course. Quizzes follow each major section allowing checking of learning.

Details

Who will benefit?
Network /Systems Engineers/Operators/Planners, or anyone working within the QSIG Arena.

Prerequisites
Telecommunications Introduction.

Duration: 1 day

Overall rating: ★★★★★

Generic training	Small class sizes	Hands On training	Our courseware	Customise your course
Generic training compliments product specific courses covering the complete picture of all relevant devices including the protocols "on the wire".	We limit our maximum class size to 8 delegates; often we have less than this. This ensures optimal interactivity between delegates and instructor.	The majority of our courses use hands on sessions to reinforce the theory.	We write our own courses; courseware does not just consist of slides and our slides are diagrams not bullet point text.	Please contact us if you would like a course to be customised to meet your specific requirements. Have the course your way.
"Friendly environment with expert teaching that teaches the why before the how." G.C. Fasthosts	*"Excellent course. The small class size was a great benefit..."* M.B. IBM	*"Not many courses have practice added to it. Normally just the theoretical stuff is covered."* J.W. Vodafone	*"Comprehensive materials that made the course easy to follow and will be used as a reference point."* V.B. Rockwell Collins	*"I was very impressed by the combination of practical and theory. Very informative. Friendly approachable environment, lots of hands on."* S.R. Qinetiq

Essential QSIG

Course content

Introduction

What is QSIG? User benefits, flexible interconnection, public ISDN synergy, feature transparency-end to end intelligence, innovation specialist features – heterogeneous environment.

Evolution of QSIG

Evolution of QSIG, ISDN PBX Networking, Specification forum (IPNS), QSIG standardisation. The ITU-T reference model extended for corporate networks

QSIG Protocol

Q Protocol stack,   QSIG basic call layer 3 – SubLayer 1, QSIG Generic Functional layer 3 Sub-Layer 2 (GF), QSIG protocols for supplementary services & ANFs- Layer 3, Sub-Layer 3, Layer 3 Message Overview.

Supplementary Services and ANFs

QSIG supplementary services standardisation methodology. QSIG Services and additional network features:

Advice of charge, Call Completion, (CCBS, CCNR), Call Forwarding and   diversion (CFB, CFNR, CFU, CD), Services (CINT, CI, CO, CT, CW, DDI), Services cont. (DND, DNDO),
Identification Services – (CLIP, COLP, CLIR, CNIP, CONP, CNIR), Other   QSIG services and additional network features (Mobile, Multi Subscriber Number (MSN), Operator Services, Recall (RE), Sub-Addressing   (SUB)), User to user signalling, compliance with services.

Conclusion – QSIG

FAQs, European Computer Manufacturers Association. The Future.

What our customers say

"Absolutely brilliant, very knowledgeable and helpful trainer would recommend to teach anyone. Kept me interested 100% of the time which is very impressive as this does not happen often, if at all!"

O. B. Network Rail

"The best technical course I've been on!."

L. W. Fujitsu Telecoms Europe

"Very well thought out and structured course. Would recommend 100%. Lots of equipment, good quality."

A.R. Unipart

"Course content is interesting. Relevant to current systems and presented well."

S.S-T. Arqiva

Step back

Telecommunications Introduction → Essential QSIG

Step forward

→ Total ISDN for engineers

→ Introduction to Data comms & networking