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2. Record Nr.	UNINA9910830591903321
Autore	Noldus Rogier
Titolo	CAMEL [[electronic resource]] : intelligent networks for the GSM, GPRS and UMTS network // Rogier Noldus
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Nota di contenuto	CAMEL; Contents; Foreword by Keijo Palviainen; Foreword by Gerry Christensen; Preface; 1 Introduction to GSM Networks; 1.1 Signalling in GSM; 1.2 GSM Mobility; 1.3 Mobile Station; 1.4 Identifiers in the GSM Network; 1.4.1 International Mobile Subscriber Identity; 1.4.2 Mobile Station Integrated Services Digital Network Number (MSISDN Number); 1.4.3 International Mobile Equipment Identifier; 1.4.4 Mobile Station Roaming Number; 1.5 Basic Services; 1.5.1 Tele Services; 1.5.2 Bearer Services; 1.5.3 Circuit Bearer Description; 1.6 Supplementary Services; 2 Introduction to Intelligent Networks 2.1 History of Intelligent Networks 2.2 Principles of Intelligent Networks; 2.3 Service Switching Function; 2.4 Service Control Function; 2.5 Basic Call State Model; 2.6 Dialogue Handling; 2.6.1 DP Arming/Disarming Rules; 2.6.2 Control vs Monitor Relationship; 2.7 Evolution of the CAMEL Standard; 2.7.1 Third-generation Partnership Project; 2.7.2 CAMEL Standards and Specifications; 2.8 Principles of CAMEL; 2.8.1 Location Update Procedure; 2.8.2 CAMEL Application Part; 2.8.3 Abstract Syntax Notation; 2.8.4 Application Context; 2.9 Signalling for

CAMEL; 2.9.1 Message Transfer Part
2.9.2 Signalling Connection Control Part
2.9.3 Transaction Capabilities;
2.10 Dynamic Load Sharing; 2.11 Using Signalling Point Code for
Addressing in HPLMN; 3 CAMEL Phase 1; 3.1 Architecture for CAMEL
Phase 1; 3.1.1 Functional Entities; 3.1.2 Information Flows; 3.2 Feature
Description; 3.2.1 Mobile-originated Calls; 3.2.2 Mobile-terminated
Calls; 3.2.3 Mobile-forwarded Calls; 3.2.4 Any-time Interrogation; 3.3
Subscription Data; 3.3.1 Originating CSI and Terminating CSI; 3.4 Basic
Call State Model; 3.4.1 Originating Basic Call State Model; 3.4.2
Terminating Basic Call State Model
3.4.3 Detection Points
3.4.4 Points in Call; 3.4.5 BCSM State Transitions;
3.4.6 gsmSSF Process; 3.4.7 Tssf Timer; 3.5 CAMEL Application Part;
3.5.1 Initial DP; 3.5.2 Request Report BCSM; 3.5.3 Event Report BCSM;
3.5.4 Continue; 3.5.5 Connect; 3.5.6 Release Call; 3.5.7 Activity Test;
3.6 Service Examples; 3.6.1 Virtual Private Network; 3.6.2 Pre-paid
Route Home; 3.6.3 Short Number Dialling with CLI Guarantee; 4 CAMEL
Phase 2; 4.1 Introduction; 4.2 Architecture; 4.2.1 Functional Entities;
4.2.2 Information Flows; 4.3 Feature Description; 4.3.1 On-line
Charging Control
4.3.2 Call Forwarding Notifications
4.3.3 Follow-on Calls; 4.3.4 User
Interaction; 4.3.5 Equal Access; 4.3.6 Enhancement of Call Control;
4.3.7 Supplementary Service Invocation Notification; 4.3.8 Short
Forwarded-to Numbers; 4.3.9 Conditional Triggering; 4.3.10 USSD
control; 4.4 Subscription Data; 4.4.1 Originating CSI; 4.4.2 Terminating
CSI; 4.4.3 Supplementary Service CSI; 4.4.4 Translation Information
Flag CSI; 4.4.5 Unstructured Supplementary Service Data CSI; 4.4.6
USSD Generic CSI; 4.5 Basic Call State Model; 4.5.1 Originating Basic
Call State Model
4.5.2 Terminating Basic Call State Model

Sommario/riassunto

Learn how to use CAMEL to transfer the Intelligent Network concept to the mobile world! CAMEL (Customized Application for the Mobile network Enhanced Logic) is a standard for Intelligent Networks for mobile communications networks. It is currently deployed in all regions of the world, enabling mobile network operators to offer fast and efficient services to their subscribers. This book is an in-depth and dedicated reference on CAMEL, taking the reader through the history and development of Intelligent Networks and the essential principles of CAMEL, to the future of the technology.
