Commission Regulation (EC) No 414/2007 of 13 March 2007 concerning the technical guidelines for the planning, implementation and operational use of river information services (RIS) referred to in Article 5 of Directive 2005/44/EC of the European Parliament and of the Council on harmonised river information services (RIS) on inland waterways in the Community

COMMISSION REGULATION (EC) No 414/2007

of 13 March 2007

concerning the technical guidelines for the planning, implementation and operational use of river information services (RIS) referred to in Article 5 of Directive 2005/44/EC of the European Parliament and of the Council on harmonised river information services (RIS) on inland waterways in the Community

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Community,

Having regard to Directive 2005/44/EC of the European Parliament and of the Council of 7 September 2005 on harmonised river information services (RIS) on inland waterways in the Community[(1)], and in particular Article 5 thereof,

Whereas:

(1) In accordance with Article 1 of Directive 2005/44/EC, river information services (RIS) shall be developed and implemented in a harmonised, interoperable and open way.

(2) In accordance with Article 5 of Directive 2005/44/EC, technical guidelines for the planning, implementation and operational use of river information services (RIS), hereafter referred to as RIS guidelines, shall be defined.

(3) The RIS guidelines shall be based on the technical principles set out in Annex II to the Directive.

(4) In accordance with Article 1(2) of Directive 2005/44/EC, the RIS guidelines shall take due account of the work carried out by relevant international organisations such as PIANC, CCNR and UNECE. Continuity shall be ensured with other modal traffic management services, in particular maritime vessel traffic management and information services.

(5) In order to ensure a mutual understanding regarding the planning, implementation and operational use of RIS, the terms and definitions given in these RIS guidelines shall be used in further standardisation work and in application design.

(6) The RIS architecture given in these guidelines shall be applied when developing services, systems and applications.

(7) In planning RIS, a systematic procedure as described in these RIS Guidelines shall be followed.

Changes to legislation: *There are outstanding changes not yet made to Commission Regulation (EC) No 414/2007. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes*

(8) The guidelines, which are the subject of this Regulation, correspond to the current technical state of the art. Experiences gained from the application of Directive 2005/44/EC as well as future technical progress may make it necessary to amend the guidelines in accordance with Article 5(2) of Directive 2005/44/EC.

(9) The draft RIS guidelines have been examined by the Committee referred to in Article 11 of Directive 2005/44/EC.

(10) The measures provided for in this Regulation are in accordance with the opinion of the Committee referred to in Article 11 of Directive 2005/44/EC.

HAS ADOPTED THIS REGULATION:

Article 1

This Regulation defines guidelines for the planning, implementation and operational use of river information services (RIS). The guidelines are set out in the Annex to this Regulation.

Article 2

This Regulation shall enter into force on the day following its publication in the *Official Journal of the European Union.*

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 13 March 2007.

For the Commission

Jacques BARROT

Vice-President

***Changes to legislation:** There are outstanding changes not yet made to Commission Regulation (EC) No 414/2007. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes*

ANNEX

RIS guidelines

ABBREVIATIONS

ADNR	Accord européen relative au transport international des marchandises dangereuses par voie de navigation intérieur du Rhin
AIS	Automatic identification system (transponder)
ARGO	Advanced river navigation
AVV	Adviesdienst Verkeer en Vervoer (The Netherlands)
BICS	Binnenvaart informatie en communicatie systeem (electronic reporting system)
CAS	Calamity abatement support
CCNR	Central Commission for the Navigation on the Rhine
CCTV	Closed circuit television
CEVNI	Code européen de voies de la navigation intérieure (European code for inland waterways), edited by UN/ECE
COMPRIS	Consortium operational management platform river information services (R&D project of the EU, 2003 — 2005)
D4D	Data warehouse for the River Danube
DGPS	Differential global positioning system
ECDIS	Electronic chart and display information system
ECE	Economic Commission for Europe of the United Nations
EDI	Electronic data interchange
EDIFACT	Electronic data interchange for administration, commerce and transport (UN/ECE Standard)
ENC	Electronic navigational chart
ETA	Estimated time of arrival
ETD	Estimated time of departure
ETSI	European Telecommunications Standards Institute
FI	Fairway information
FIS	Fairway information service
GLONASS	Global orbiting navigation satellite system
GNSS	Global navigation satellite system
GSM	Global system for mobile communication
HF	High frequency
HS Code	Harmonised commodity description and coding system of WCO
IALA	International Organisation of Marine Aids to Navigation and Lighthouse Authorities
IEC	International Electrotechnical Commission
IHO	International Hydrographic Organisation
IMDG Code	International maritime dangerous goods code
IMO	International Maritime Organisation
INDRIS	Inland navigation demonstrator of river information services (R&D project of EU, 1998–2000)
ISO	International Standardisation Organisation
IT	Information technology
ITU	International Telecommunication Union
LAN	Local area network
LBM	Lock and bridge management
OFS	Official ship number
PIANC	International Navigation Association
PTM	Port and terminal management

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RIS	River information services
RTA	Required time of arrival
SAR	Search and rescue
SIGNI	Signs and signals on inland waterways, edited by UN/ECE
SMS	Short message service
SOLAS	International Convention on Safety of Life at Sea
SOTDMA AIS	Self organising time division multiple access AIS
STI	Strategic traffic information (image)
TCP/IP	Transmission control protocol/Internet protocol
TI	Traffic information
TTI	Tactical traffic information (image)
UMTS	Universal mobile telecommunication system
UTC	Universal time coordinated
VDL	VHF data link
VHF	Very high frequency
VTC	Vessel traffic centre
VTMIS	Vessel traffic management and information services (maritime navigation)
VTS	Vessel traffic services
WAP	Wireless application protocol
WCO	World Customs Organisation
WI-FI	Wireless fidelity
ZKR/CCNR	Zentralkommission für die Rheinschifffahrt

FIGURES

Figure 2.3.	Relation between RIS area and VTS area
Figure 4.1.	RIS development and redesign
Figure 4.4a.	Arenas roles and management tasks in inland shipping
Figure 4.4c.	Elements of an information processing loop
Figure 4.4d.	Information processing loop

TABLES

Table 4.4b.	Derivation of RIS services
Table 4.5.	River information services
Table 4.6.	Functional decomposition of river information services
Table 4.8.	Relation between services and systems
Table 5.2.3.	Data set for ship reporting
Table 6.4.	The planning process for RIS
Table 7.	Possible stepwise development of the different parts of RIS

1. INTRODUCTION

(1) The RIS guidelines describe the principles and general requirements for planning, implementing and operational use of river information services and related systems.

(2) They are equally applicable to the traffic of cargo vessels, passenger vessels and pleasure craft.

(3) They should be used in conjunction with international regulations, recommendations and guidelines, such as:

(a) Guidelines and Criteria for Vessel Traffic Services in Inland Waters (Inland VTS Guidelines), (world-wide), IALA recommendation V-120, June 2001, 2001;

(b) Regional Arrangement Concerning the Radiotelephone Service on Inland Waterways (Basel), 2000;

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(c) technical specifications for Inland ECDIS as defined under the RIS Directive[2];

(d) technical specifications for vessel tracking and tracing systems, such as Inland AIS, as defined under the RIS Directive;

(e) technical specifications for electronic ship reporting in inland navigation as defined under the RIS Directive;

(f) technical specifications for notices to skippers in inland navigation as defined under the RIS Directive;

(g) Harmonised Commodity Description and Coding System of the WCO (worldwide);

(h) UN Code for Trade and Transport Locations UN/LOCODE (worldwide);

(i) EDIFACT Standard of the UN (worldwide);

(j) Standardised UN/ECE Vocabulary for Radio Connections in Inland Navigation (Europe), 1997.

(4) A number of concepts and standardisation proposals for river information services have been developed in the research and development project INDRIS of the European Union[3]. These are:

(a) Guidelines and recommendations for RIS, 1999 (used as starting point for the RIS Guidelines by PIANC);

(b) Functional definition of the RIS concept, 1998;

(c) Standardisation of data communication (AIS, GNSS, Internet), 1999;

(d) Standards for tactical data exchange, communication and messages (Inland AIS), 1998;

(e) Standardisation of data, 1998:
- standards of codes (country, location, terminal, type of vessel, cargo),
- RIS scenarios (functions),
- data-interchange standards (EDIFACT, S-57 update mechanism);

(f) reporting databases, 1999.

(5) The concept for Inland ECDIS has been developed in the German ARGO[4] project in cooperation with INDRIS.

(6) The concept for a RIS architecture has been developed by the WATERMAN[5] thematic network, an action under the Fifth Framework Programme for Research and Technological Development of the EU in the fields of VTMIS (maritime navigation) and RIS. Using these achievements, the RIS architecture has been elaborated comprehensively and in detail in the research and development project COMPRIS[6] of the European Union in 2003.

(7) When reference is made in this document to Inland ECDIS (and electronic navigational charts), Inland AIS (or vessel tracking and tracing systems in general), electronic ship reporting and notices to skippers, the technical specifications as defined under the RIS Directive are meant.

2. DEFINITIONS