

## GLOSSARY

This list excludes acronyms relating to specific IST projects and initiatives

3D	three-dimensional	ERMS	electronic rights management system	ISDN	integrated services digital network	SAR	synthetic aperture radar
ACTS	Advanced Communications Technologies and Services Programme, of the EUs Fourth Framework Programme	ERP	enterprise resource planning	ISO	International Standardisation Organisation (www.iso.org)	SCM	supply chain management
ADAS	advanced driver assistance system	ETSI	European Telecommunications Standards Institute (www.etsi.org)	IST	information society technologies	SDH	synchronous digital hierarchy
ADSL	asymmetric digital subscriber loop	EU	European Union	IST	Information Society Technologies Programme (www.cordis.lu/ist)	SDR	software defined radio
AL	action line	FET	field effect transistor	ISTAG	Information Society Technologies Advisory Group	SEA	Semiconductor Equipment Assessment
AR	augmented reality	FET	Future and Emerging Technologies	ISTC	Information Society Technologies Committee	SGML	standard generalised mark-up language
ASIC	application-specific integrated circuit	FP4	Fourth Framework Programme for Research & Technological Development	ITS	intelligent transport system	SiGe	silicon germanium (semiconductor)
ATM	asynchronous transfer mode	FP5	Fifth Framework Programme for Research & Technological Development (www.cordis.lu)	ITU	International Telecommunications Union (www.itu.org)	SME	small and medium-sized enterprise
BPR	business process re-engineering	FPGA	field programmable gate array	IVT	In-vehicle terminal	SOC	system-on-a-chip
CAD/CAM	computer-aided design/computer-aided manufacture	FT	fault tolerant	JPEG	Joint Photographic Experts Group	SOI	silicon-on-insulator
CATV	cable television	GaAs	gallium arsenic (semiconductor)	JRC	Joint Research Centre	SPR	surface-penetrating radar
CBIM	content-based information management	Gbit / GB	gigabits / gigabytes (10 <sup>9</sup> )	KA I	Key Action I: Systems And Services For The Citizen	S-UMTS	satellite-universal mobile telecommunication system
CDMA	code division multiple access	GHz	gigahertz	KA II	Key Action II: New Methods Of Work And Electronic Commerce	TAP	Telematics Applications Programme, of the EU's Fourth Framework Programme
CMOS	complementary metal oxide semiconductor	GI	geographical information	KA III	Key Action III: Multimedia Content And Tools	Tbit / TB	terabits / terabytes (10 <sup>12</sup> )
CORBA	common object request broker architecture	GIS	geographical information system	KA IV	Key Action IV: Essential Technologies And Infrastructure	TD-CDMA	time division/code division multiple access
CPA	Cross-Programme Action	GNSS	Global Navigation Satellite System	KETs	key enabling technologies	THz	terahertz
CRM	customer relationship management	GPR	ground-penetrating radar	KM	knowledge management	TTP	trusted third party
DAB	digital audio broadcast	GPRS	general packet radio service	LSS	large-scale simulation	T-UMTS	terrestrial-universal mobile telecommunication system
DAVIC	Digital Audio-Visual Industry Council (www.davic.org)	GPS	global positioning system	Mbit / MB	megabits / megabyte (10 <sup>6</sup> )	UMTS	universal mobile telecommunications system
DECT	digital enhanced cordless telecommunications	GSM	global system mobile	MCM	multichip module	URL	universal resource locator
DG	Directorate-General	GUI	graphical user interface	MCP	multimedia car platform	USB	universal serial bus
DSL	digital subscriber loop	HLT	human language technologies	MEMS	micro-electromechanical system	VGA	video graphics array
DVB	digital video broadcast	HPCN	high performance computing and networking	MHz	megahertz	VHDL	very high speed definition language
DVD	digital video disc	HTML	hypertext mark-up language	MOEMS	micro-optoelectromechanical system	VR	virtual reality
DWDM	dense wavelength division multiplexing	IC	integrated circuit	MOSFET	metal oxide semiconductor field effect transistor	WAP	wireless application protocol
EBU	European Broadcasting Union (www.ebu.ch)	ICT	information and communication technologies	MPEG	Motion Picture Expert Group	W-CDMA	wideband code division multiple access
EC	European Commission (www.europa.eu.int)	IEEE	Institute of Electrical and Electronic Engineering (www.ieee.org)	MST	microsystem	WDM	wavelength division multiplexing
ECMS	electronic copyright management system	IEFT	Internet Engineering Task Force (www.ietf.org)	NID	nanotechnology information device	W-LAN	wide-area local area network
EHR	electronic health record	IMS	Intelligent Manufacturing Systems Initiative (www.ims.org)	nm	nanometre (10 <sup>-9</sup> m)	WML	wireless mark-up language
EHS	European home system	InP	indium phosphorous (semiconductor)	OEM	original equipment manufacturer	WP2000 ('99)	IST Work Programme 2000 (or 1999)
		IP	internet protocol	PKI	public key encryption	WWW	world-wide web
		IP	intellectual property	QIPC	quantum information processing and computing	XML	extensible mark-up language
		IPR	intellectual property rights	QoS	quality of service		
		IPv6	internet protocol version 6	RTD	research and technological development		
				RTS	real-time system		

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PROJECT INDEX

In this book there is only room to mention a small sample of the projects supported by the IST Programme to date. Full details on all current projects are available on ISTweb at [www.cordis.lu/ist/projects.htm](http://www.cordis.lu/ist/projects.htm). The site includes a search facility.

- Key:**
- KA I = Key Action I
  - KA II = Key Action II
  - KA III = Key Action III
  - KA IV = Key Action IV
  - CPA = Cross Programme Actions
  - FET = Future and Emerging Technologies
  - RN = Research Networks
  - SM = IST Supporting Measures

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The book presents a snapshot of the IST Programme at the present time, describing technical challenges and policy issues addressed by the work programme and highlighting some of the initial RTD projects. It focuses on the use of IST within three key settings: by individuals and in personal spaces; by enterprises and in the workplace; and by public services and society at large. Enabling technologies which underpin future applications and services across these scenarios are also described. Covering IST development from many different perspectives, the book shows how the Programme is contributing to the realisation of an Information Society for All.

Further information on the IST Programme is available at <http://www.cordis.lu/ist>