

INTRODUCTION	XII
<i>TABLE 1 TELEMATICS ACRONYMS</i>	<i>XIII</i>
<i>TABLE 1 (CONTINUED)</i>	<i>XIV</i>
<i>TABLE 1 (CONTINUED)</i>	<i>XV</i>
<i>TABLE 1 (CONTINUED)</i>	<i>XVI</i>
<i>TABLE 1 (CONTINUED)</i>	<i>XVII</i>
 TELEMATICS TERMINOLOGY	1
TELEMATICS TERMINOLOGY	1
TELEMATICS TERMINOLOGY (CONTINUED).....	2
TELEMATICS TERMINOLOGY (CONTINUED).....	3
TELEMATICS TERMINOLOGY (CONTINUED).....	4
TELEMATICS TERMINOLOGY (CONTINUED).....	5
TELEMATICS TERMINOLOGY (CONTINUED).....	6
TELEMATICS TERMINOLOGY (CONTINUED).....	7
TELEMATICS TERMINOLOGY (CONTINUED).....	8
TELEMATICS TERMINOLOGY (CONTINUED).....	9
TELEMATICS TERMINOLOGY (CONTINUED).....	10
TELEMATICS TERMINOLOGY (CONTINUED).....	11
TELEMATICS TERMINOLOGY (CONTINUED).....	12
TELEMATICS TERMINOLOGY (CONTINUED).....	13
TELEMATICS TERMINOLOGY (CONTINUED).....	14
 MEASURES OF NATIONAL MOBILE TELEMATICS DEVELOPMENT	
CAPABILITIES	15
<i>TABLE 2 HIGH INCOME NATIONS WITH PRIVATE-SECTOR</i>	
TELEMATICS DEVELOPMENT CAPABILITIES.....	15
<i>TABLE 2 (CONTINUED)</i>	16
<i>TABLE 2 (CONTINUED)</i>	17
<i>TABLE 3 MIDDLE INCOME NATIONS WITH PRIVATE-SECTOR</i>	
TELEMATICS DEVELOPMENT CAPABILITIES.....	18
<i>TABLE 3 (CONTINUED)</i>	19
<i>TABLE 4 LOW INCOME NATIONS WITH PRIVATE-SECTOR</i>	
TELEMATICS DEVELOPMENT CAPABILITIES.....	19
 COUNTRIES BY WORLD BANK INCOME LEVELS	20
WORLD BANK HIGH INCOME NATIONS	20
<i>TABLE 5 WORLD BANK HIGH INCOME NATIONS</i>	20
WORLD BANK MIDDLE INCOME NATIONS	20
<i>TABLE 6 WORLD BANK MIDDLE INCOME NATIONS</i>	21
WORLD BANK LOW INCOME NATIONS	21
<i>TABLE 7 WORLD BANK LOW INCOME NATIONS</i>	22

TELEMATICS COMPONENTS INITIAL ACQUISITION COST FORECAST, 2007 TO 2012.....	23
TABLE 8 TELEMATICS COMPONENTS INITIAL ACQUISITION COST FORECAST, THROUGH 2012 (\$)	23
TABLE 8 (CONTINUED).....	24
TABLE 8 (CONTINUED).....	25
TABLE 8 (CONTINUED).....	26
TABLE 8 (CONTINUED).....	27
TABLE 9 TELEMATICS COMPONENT OPERATIONS AND MAINTENANCE COST FORECAST TO 2012 (\$)	28
TABLE 9 (CONTINUED).....	29
TABLE 9 (CONTINUED).....	30
TABLE 9 (CONTINUED).....	31
STANDARDS APPLICABLE FOR MOBILE TELEMATICS SYSTEMS	32
AMERICAN NATIONAL STANDARDS INSTITUTE	32
INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS.....	32
INTERNATIONAL STANDARDIZATION ORGANIZATION.....	33
INTERNATIONAL STANDARDIZATION...(CONTINUED)	34
INTERNATIONAL STANDARDIZATION...(CONTINUED)	35
INTERNATIONAL STANDARDIZATION...(CONTINUED)	36
INSTITUTE OF TRANSPORTATION ENGINEERS	37
ITU TELECOMMUNICATION STANDARDIZATION SECTOR.....	38
MISSION	38
ACTIVITIES	38
STRUCTURE.....	39
STUDY GROUP 19: MOBILE TELECOMMUNICATION NETWORKS.....	39
Lead Study Group on Mobile Telecommunication Networks and for Mobility	39
NATIONAL TRANSPORTATION COMMUNICATIONS FOR INTELLIGENT TRANSPORT SYSTEMS (ITS) PROTOCOL	40
NATIONAL TRANSPORTATION...(CONTINUED).....	41
SOCIETY OF AUTOMOTIVE ENGINEERS	42
PATENTS THAT REFERENCE TELEMATICS	43
PATENTS THAT REFERENCE TELEMATICS.....	43
PATENTS THAT REFERENCE ... (CONTINUED)	44
PATENTS THAT REFERENCE ... (CONTINUED)	45
PATENTS THAT REFERENCE ... (CONTINUED)	46
PATENTS THAT REFERENCE ... (CONTINUED)	47
PATENTS THAT REFERENCE ... (CONTINUED)	48
PATENTS THAT REFERENCE ... (CONTINUED)	49
PATENTS THAT REFERENCE ... (CONTINUED)	50
PATENTS THAT REFERENCE ... (CONTINUED)	51

PATENTS THAT REFERENCE ... (CONTINUED)	52
PATENTS THAT REFERENCE ... (CONTINUED)	53
PATENTS THAT REFERENCE ... (CONTINUED)	54
PATENTS THAT REFERENCE ... (CONTINUED)	55
PATENTS THAT REFERENCE ... (CONTINUED)	56
PATENTS THAT REFERENCE ... (CONTINUED)	57
PATENTS THAT REFERENCE ... (CONTINUED)	58
PATENTS THAT REFERENCE ... (CONTINUED)	59
PATENTS THAT REFERENCE ... (CONTINUED)	60
PATENTS THAT REFERENCE ... (CONTINUED)	61
PATENTS THAT REFERENCE ... (CONTINUED)	62
PATENTS THAT REFERENCE ... (CONTINUED)	63
PATENTS THAT REFERENCE ... (CONTINUED)	64
PATENTS THAT REFERENCE ... (CONTINUED)	65
PATENTS THAT REFERENCE ... (CONTINUED)	66
PATENTS THAT REFERENCE ... (CONTINUED)	67
PATENTS THAT REFERENCE ... (CONTINUED)	68
PATENTS THAT REFERENCE ... (CONTINUED)	69
PATENTS THAT REFERENCE ... (CONTINUED)	70
PATENTS THAT REFERENCE ... (CONTINUED)	71
PATENTS THAT REFERENCE ... (CONTINUED)	72
PATENTS THAT REFERENCE ... (CONTINUED)	73
PATENTS THAT REFERENCE ... (CONTINUED)	74
PATENTS THAT REFERENCE ... (CONTINUED)	75
PATENTS THAT REFERENCE ... (CONTINUED)	76
 AVIATION STATISTICS	77
FIXED INFRASTRUCTURE.....	77
<i>TABLE 10 NATIONS WITH FEWER THAN 100 AIRPORTS</i>	77
<i>TABLE 11 NATIONS WITH FEWER THAN 10 AIRPORTS</i>	78
<i>TABLE 12 RUNWAY CONDITIONS AT NPIAS AIRPORTS</i>	78
<i>TABLE 13 RUNWAY CONDITIONS AT COMMERCIAL SERVICE</i>	
<i>AIRPORTS, 2006</i>	79
MOBILE INFRASTRUCTURE	79
<i>TABLE 14 OPERATIONAL PASSENGER JET TRANSPORTS IN</i>	
<i>JANUARY 2007</i>	79
<i>TABLE 14 (CONTINUED)</i>	80
<i>TABLE 14 (CONTINUED)</i>	81
<i>TABLE 15 PASSENGER TURBOPROP TRANSPORTS OPERATIONAL</i>	
<i>IN 2007</i>	81
<i>TABLE 15 (CONTINUED)</i>	82
THE MARKETPLACE.....	82
<i>TABLE 16 MAJOR AVIONICS SUPPLIERS</i>	82
<i>TABLE 16 (CONTINUED)</i>	83

TABLE 17 MAJOR PURCHASERS OF TELEMATICS SYSTEMS FOR PASSENGER TRANSPORTS.....	84
MAJOR PURCHASERS OF TELEMATICS SYSTEMS FOR PASSENGER JET TRANSPORTS	84
TABLE 18 COUNTRIES WITH THE MOST RAPIDLY GROWING DEMAND FOR PASSENGER AIRCRAFT, THROUGH 2012.....	84
AUTOMOTIVE STATISTICS	85
FIXED INFRASTRUCTURE.....	85
TABLE 19 THE GLOBAL ROAD SYSTEM IN JANUARY 2007	85
TABLE 19 (CONTINUED).....	86
TABLE 19 (CONTINUED).....	87
TABLE 19 (CONTINUED).....	88
TABLE 19 (CONTINUED).....	89
TABLE 19 (CONTINUED).....	90
TABLE 20 COUNTRIES WITH MORE THAN 95% PAVED ROADS IN JANUARY 2007	90
TABLE 20 (CONTINUED).....	91
TABLE 21 COUNTRIES WITH LESS THAN 10% PAVED ROADS IN JANUARY 2007	92
TABLE 22 NATIONS WITH MORE THE 50,000 MILES OF UNPAVED ROADS IN JANUARY 2007	92
TABLE 22 (CONTINUED).....	93
TABLE 23 CONDITION OF U.S. HIGHWAY BRIDGES	93
TABLE 23 (CONTINUED).....	94
MOBILE INFRASTRUCTURE	94
TABLE 24 MAJOR PASSENGER CAR MANUFACTURERS	94
TABLE 25 MAJOR GLOBAL SUPPLIERS OF BUSES, HEAVY TRUCKS AND LIGHT COMMERCIAL VEHICLES.....	95
THE MARKETPLACE.....	95
TABLE 26 COMPANIES WITH AN INTEREST IN AUTOMOTIVE TELEMATICS.....	95
TABLE 26 (CONTINUED).....	96
TABLE 26 (CONTINUED).....	97
TABLE 26 (CONTINUED).....	98
TABLE 26 (CONTINUED).....	99
TABLE 26 (CONTINUED).....	100
TABLE 26 (CONTINUED).....	101
TABLE 26 (CONTINUED).....	102
TABLE 27 MAJOR SUPPLIERS OF TELEMATICS SERVICES	102
TABLE 28 NETWORK PROVIDERS.....	103
TABLE 29 MAJOR PURCHASERS OF HEAVY TRUCKS	103
TABLE 29 (CONTINUED).....	104
TABLE 30 FLEET MANAGEMENT SUPPORT SYSTEM PROVIDERS	104
TABLE 31 TELEMATICS SERVICE PROVIDERS.....	105

RAILWAY STATISTICS.....	106
FIXED INFRASTRUCTURE.....	106
TABLE 32 MILES OF RAIL TRACK IN JANUARY 2007.....	106
TABLE 32 (CONTINUED).....	107
THE MARKETPLACE.....	107
TABLE 33 COMMUNITIES THAT REQUIRED IMPROVED GRADE	
CROSSING PROTECTION.....	107
TABLE 33 (CONTINUED).....	108
TABLE 34 GOVERNMENT AGENCIES WITH RESPONSIBILITIES	
FOR PURCHASING RAILWAY TELEMATICS SYSTEMS	108
TABLE 34 (CONTINUED).....	109
TABLE 35 SUPPLIERS OF TELEMATICS-RELATED RAILROAD	
PRODUCTS AND SERVICES	109
TABLE 35 (CONTINUED).....	110
TABLE 35 (CONTINUED).....	111
TABLE 36 MAJOR PURCHASERS OF TELEMATICS-RELATED	
RAILROAD EQUIPMENT	112
TABLE 36 (CONTINUED).....	113
TABLE 36 (CONTINUED).....	114
TABLE 36 (CONTINUED).....	115
TABLE 36 (CONTINUED).....	116
TABLE 36 (CONTINUED).....	117
TABLE 36 (CONTINUED).....	118
TABLE 36 (CONTINUED).....	119
TABLE 36 (CONTINUED).....	120
TABLE 36 (CONTINUED).....	121
MARITIME INDUSTRY STATISTICS.....	122
FIXED INFRASTRUCTURE.....	122
TABLE 37 COUNTRIES WITH MULTIPLE OCEAN AND INLAND	
PORTS AND TERMINALS OPERATIONAL IN 2007	122
TABLE 37 (CONTINUED).....	123
TABLE 37 (CONTINUED).....	124
TABLE 37 (CONTINUED).....	125
TABLE 38 COUNTRIES WITH A SINGLE PORT OR TERMINAL IN	
JANUARY 2007	125
TABLE 38 (CONTINUED).....	126
THE MARKETPLACE.....	126
TABLE 39 MAJOR CRUISE LINE OPERATORS.....	126
TABLE 39 (CONTINUED).....	127
TABLE 40 MAJOR SHIPYARDS WITH CRUISE LINER EXPERTISE.....	127
AGRICULTURAL STATISTICS.....	128
CONSUMPTION REQUIREMENT.....	128

<i>TABLE 41 PERCENT OF TOTAL FAMILY FOOD BUDGET DEVOTED TO SELECTED AGRICULTURAL PRODUCTS.....</i>	128
<i>TABLE 41 (CONTINUED).....</i>	129
<i>TABLE 41 (CONTINUED).....</i>	130
INDICATORS OF REQUIREMENT FOR MOBILE TELEMATICS	131
<i>TABLE 42 COUNTRIES WITH A VERY HIGH LEVEL OF AGRICULTURAL MECHANIZATION (TRACTORS PER 1,000 AGRICULTURAL WORKERS).....</i>	131
<i>TABLE 43 COUNTRIES WITH A HIGH LEVEL OF AGRICULTURAL MECHANIZATION (TRACTORS PER 1,000 AGRICULTURAL WORKERS).....</i>	131
<i>TABLE 43 (CONTINUED).....</i>	132
<i>TABLE 44 COUNTRIES WITH A MODERATE LEVEL OF AGRICULTURAL MECHANIZATION (TRACTORS PER 1,000 AGRICULTURAL WORKERS).....</i>	132
<i>TABLE 45 COUNTRIES WITH MINIMAL AGRICULTURAL MECHANIZATION (TRACTORS PER 1,000 AGRICULTURAL WORKERS).....</i>	133
THE MARKETPLACE.....	133
<i>TABLE 46 MAJOR TRACTOR AND FARM EQUIPMENT MANUFACTURERS.....</i>	133
<i>TABLE 46 (CONTINUED).....</i>	134
<i>TABLE 46 (CONTINUED).....</i>	135
 CONSTRUCTION.....	136
MAJOR SUPPLIERS	136
<i>TABLE 47 MAJOR SUPPLIERS OF MOTORIZED GRADERS.....</i>	136
<i>TABLE 48 MAJOR SUPPLIERS OF HEAVY CRANES.....</i>	136
<i>TABLE 48 (CONTINUED).....</i>	137
 INTELLIGENT TRANSPORT SYSTEMS.....	138
COMPONENT AND SUBSYSTEM SUPPLIERS	138
<i>TABLE 49 COMPONENT AND SUBSYSTEM SUPPLIERS</i>	138
<i>TABLE 49 (CONTINUED).....</i>	139
<i>TABLE 49 (CONTINUED).....</i>	140
 STRUCTURE OF THE U.S. TRANSPORT INDUSTRY	141
<i>TABLE 50 NUMBER OF U.S. ESTABLISHMENTS INVOLVED IN TRANSPORT IN JANUARY 2007.....</i>	141
<i>TABLE 50 (CONTINUED).....</i>	142
<i>TABLE 50 (CONTINUED).....</i>	143
<i>TABLE 51 INDIVIDUALS EMPLOYED IN THE U.S. TRANSPORT SECTOR IN JANUARY 2007.....</i>	143
<i>TABLE 51 (CONTINUED).....</i>	144
<i>TABLE 51 (CONTINUED).....</i>	145

