



AUSTRALIAN COMMUNICATIONS INDUSTRY FORUM

SPECIFICATION

**MOBILE LOCATION INDICATOR FOR EMERGENCY
SERVICES - Stage 1 Service Description
Interim Mobile Location Indicator**

MOBILE LOCATION INDICATOR FOR EMERGENCY SERVICES
Stage 1 Service Description Interim Mobile Location Indicator

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Explanatory Statement/Foreword

This specification defines an interim solution to provide mobile location information within a defined area of Australia to reduce the possibility of error in allocating an emergency call to the required Emergency Service Organisation (ESO). The provision of Interim MoLI is to partially fill the requirement gap until full MoLI is available in the future. This specification applies to Public Land Mobile Networks (PLMNs) and Global Mobile Personal Communications by Satellite (GMPCSs) systems.

The vision for MoLI is to develop a standard approach for Full MoLI which provides caller location to an accuracy within approximately 50 metres including elevation, the actual capabilities for this will be determined by the exact solution adopted. This solution, however, may require additional infrastructure in the mobile carrier's network either as an overlay to existing infrastructure or built into the existing infrastructure, and there may be additions to handsets. These solutions are still in trial stages and are not currently applicable to large scale application, particularly in a multi-carrier environment. These solutions will be applicable for ESO's "dispatch" purposes.

This Interim MoLI specification will provide an indication of the mobile user's location when a call is originated by appending a 3 digit ABC code, representing a Standardised Mobile Service Area (SMSA), in the digits passed across the Point Of Interconnection (POI) to the Emergency Call Person's (ECP's) Carrier. A SMSA is a geographical area which can range from approximately 2,000 to 500,000 square kilometres.

In the very short term Telstra is utilising existing infrastructure and signalling to provide a Mobile State of Call Origin indicator to eliminate the majority of duplicated location problems and aid the Emergency Call Person operator in determining the Emergency Service Organisation jurisdiction.

This specification has been developed under the auspices of the ACIF Network Reference Panel Working Committee 2 on Mobile Origin Location Indicator.

Whilst this specification is not compulsory for mobile carriers, the Australian Communications Authority is drafting a new determination under subsection 265(1) of the Telecommunications Act 1997 which may place a requirement upon carriage service providers to provide to the Emergency Call Person information about the mobile user's location in accordance with this specification.

Jeff Bond
Chairman
NRP Working Committee 2 on Mobile Origin Location Indication (MoLI)

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1. Scope and overview

1.1 Scope

- 1.1.1 This specification defines an interim solution to provide mobile location information within a defined area of Australia to reduce the possibility of error in allocating an emergency call to the required ESO.
- 1.1.2 This specification outlines the Australian telecommunications industry specification for the provision of Interim MoLI for Emergency Services by mobile carriers and the transport of that information by transit network carriers. The provision of Interim MoLI is to partially fill the requirement gap for the Emergency Service until full MoLI is available in the future. This specification applies to Public Land Mobile Networks (PLMNs) and Global Mobile Personal Communications by Satellite (GMPCSs) systems.
- 1.1.3 The vision for MoLI is to develop a standard approach for Full MoLI which provides caller location to an accuracy within approximately 50 metres including elevation, the actual capabilities for this will be determined by the exact solution adopted. But this solution may require additional infrastructure in the mobile carrier's network either as an overlay to existing infrastructure or built into the existing infrastructure, further there may be additions to handsets. These solutions are still in trial stages and are not currently applicable to large scale application, particularly in a multi-carrier environment. These solutions will be applicable for ESO's "dispatch" purposes.
- 1.1.4 Interim MoLI will provide an indication of the mobile user's location when a call is originated by appending a 3 digit ABC code, representing a Standardised Mobile Service Area, in the digits passed across the POI to the ECP's Carrier. An SMSA is a geographical area which can range from approximately 2,000 to 500,000 square kilometres.

1.2 Overview

- 1.2.1 The Mobile Location Indicator (MoLI) is a supplementary service which provides the geographic location of a PLMN caller at the time of call establishment, to downstream network services, for the purpose of providing user services which are dependent on location.
- 1.2.2 This specification specifically refers to Interim MoLI for emergency services use. This specification describes an interim procedure for passing information about the approximate location of the mobile caller (Interim MoLI) to the Emergency Call Person's (ECP) operator in selecting the required emergency call service (that is, "jurisdiction" determination).
- 1.2.3 It is proposed that a subset of the Interim MoLI will be available from GMPCS services dependent on technical capability of the particular Satellite Network and the transport of the call to the ECP.

2. Participants

The group that developed this Specification consisted of the following organisations and their representatives:

Representative	Organisation	Status
Jeff Bond (<i>Chairperson</i>)	C&W Optus Communications	Participating
Colin Lopes (<i>Editor</i>)	Telstra Corporation	Participating
Robert Tozer	AAPT	Voting
Bridget Nagle	Australian Communications Authority	Participating
Frances Wood	Australian Communications Authority	Participating
Gary Fraser	Australian Communications Authority	Participating
Phillip Muthiah	LM Ericsson Australia	Voting
Peter Hull	Nortelnetworks	Voting
Thomas Kam	Nortelnetworks	Participating
Naxin McTeigue	C&W Optus Communications	Participating
Jovy Singson	C&W Optus Communications	Participating
Terry Gillespie	C&W Optus Communications	Voting
Tony Coyle	Iridium South Pacific	Voting
Trinh Lam	Primus Telecommunications	Voting
Romuald Paszkowski	Telstra Corporation	Participating
Bruce Lancashire	Telstra Corporation	Voting
Mark Dioguardi	Telstra Corporation	Participating
Matthew Ahyong	Vodafone Network	Participating
Vince Turco	Vodafone Network	Voting

James Duck of ACIF supplied project management support.

3. References

The following publications are referred to in this Specification. At the time of publication, the editions were valid.

Publication and/or Publisher	Title
ACIF G503:1998	Stage 1A and 1B Service Description on Mobile (origin) Location Indication (MoLI), Version 1.0
NIIF	Interconnect Signalling Specification - Interconnect Dial Plan, Issue 1.1, 21 February 1997 (republished as part of ACIF G500:1998)
ACA	Telecommunications Numbering Plan 1997
ACIF G532:1999	Specification Mobile Location Indicator - 1800/13/1300
Commonwealth	Telecommunications Act, 1997

4. Definitions and Abbreviations

For the purposes of this Specification, the following definitions and abbreviations apply:

4.1 Abbreviations

ACA	Australian Communications Authority
AMPS	Analogue Mobile Phone System
ATUP	Australian Telephone User Part (CCS#7)
CDMA	Code Division Multiple Access (mobile phone system)
CLI	Calling Line Identification
CNA	Closed Numbering Area
ECLIPS	Emergency Call Service CLI Processing System (Telstra's E000 Service front end system)
ECP	Emergency Call Person
ESO	Emergency Service Organisation
GMPCS	Global Mobile Personal Communications by Satellite
GSM	Global System for Mobile
I-ISUP	Interconnect ISUP
ISUP	ISDN User Part (CCS#7)
LAC	Location Area Code for Iridium Satellite Phone Service
MoLI	Mobile Location Information
PLMN	Public Land Mobile Network
POI	Point Of Interconnection
SMSA	Standardised Mobile Service Area
TNP	Telecommunications Numbering Plan 1997

4.2 Definitions

- 4.2.1 **CNA** is an area within which customers dial a locally significant number when calling each other.
- 4.2.2 **Downhill** is transport of the Emergency call from the ECP Call Centre to the required ESO. The downhill portion of the Emergency call includes the parallel delivery of Calling Service Name & Address information to the ESO via X.25 packet data message.
- 4.2.3 **Dummy CLI** is a CLI used to provide a level of general information when the actual CLI is not available or cannot be provided for some reason.
- 4.2.4 **ECP Carrier** is the public communications operator that provides the final carriage of emergency calls to the ECP answer points (such as Telstra's E000 Call Centres). The ECP Carrier is currently Telstra.
- 4.2.5 **Hilltop** is transport of the Emergency call between ECP Call Centres in the case of an overflowed / diverted call.
- 4.2.6 **Interim MoLI** is an indication of the area in which the mobile user is located when a call is originated for use in assisting the Emergency Call Person

operator in selecting the required emergency call service (that "jurisdictional determination").

- 4.2.7 **SMSA** is an area comprising a number of PSTN charging zones, characterised by a nominated central zone and all zones adjoining that central zone which may include other zones that are not included in any other SMSA .
- 4.2.8 **Uphill** is transport of the Emergency call from the caller to the ECP Call Centre.

5. Description

5.1 General description

- 5.1.1 Mobile carriers will append a location indicator to the '000' dialled digits (or other Emergency Access codes as mandated by ACA in the TNP) for mobile originated calls. The location indicator will be passed to the ECP in the called party address.
- 5.1.2 For mobile originated calls the location indicator will be used to key into a database of cell site or SMSA locations provided by each mobile operator. If necessary the CLI of the caller (or Dummy CLI) could be used to determine the Mobile operators. Refer to Figure 5.1 for the diagrammatic representation of Interim MoLI for PLMN customers.

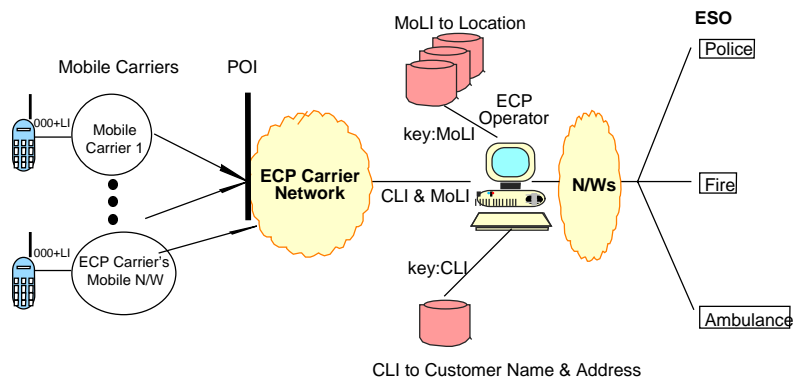


Figure 5.1

Interim MoLI Schematic for Mobile Callers (PLMN and GMPCS)

5.2 Qualification on the Applicability to Telecommunication Services

- 5.2.1 The information will be exchanged by inclusion in the Called Party Address parameter of existing signalling systems (I-ATUP or I-ISUP).
- 5.2.2 Location information should be available for all PLMN mobile customer originated calls, and where technology allows should be provided by Satellite phone Carriers - GMPCS on all satellite customer originated mobile calls.

5.3. Interim MoLI Supplementary Service Details

- 5.3.1 The mobile carrier will use the mobile cell information to provide the Interim MoLI. This MoLI will be appended to the dialled digits in the Destination Number Field in the respective signalling scheme before sending the call to the POI of the ECP's Carrier.
- 5.3.2 Where additional digits are dialled after the valid access code digits '000', (or other Emergency Access codes as declared by the ACA in the TNP) the mobile carrier will truncate the digits from the valid access code and append the MoLI code for signalling purposes.

5.3.3 The above will result in general POI Address Digits of:-

'1411 + Serv Dig + 000 + **ABC**'

Where:-

'1411' = Telstra Carrier Access Code (not required for Telstra MobileNet);

Serv Dig = Service Digit (not required for Telstra MobileNet) '62' to indicate MoLI information included (proposed). Refer to ACIF Interconnect Dial Plan for definitions of Service Indicators;

'000' = Emergency Access Code / Dialed Digits (Note 1);

'**ABC**' = Mobile Location code relating to caller's location at start of call. 'ABC' represents a number indicating the approximate originating location of the call. For more detail see Appendices A & B (Note 2).

Note 1: If a mobile user dials "112", these digits will be translated to "000" by the serving carrier before sending the call to the ECP. For the TTY '100' access code the '100' will be substituted for '000' in the above definition.

Note 2: The currently unallocated codes in the ABC range allow for alternate schemes to be provided for other carriers (both mobile and GMPCS) where their radio patterns / cells / coverage do not match the presently defined ABC mapping. These will be ratified by bilateral agreement but managed by ACIF.

Note 3: The above digit strings are for reference only. They will be ratified by the ACIF NRP/WC7 as part of the work on the ACIF Interconnection Dial Plan.

6. Specific Mobile Carrier Details

This section details specific conditions applicable to technologies or Carrier products.

6.1 Iridium GMPCS

- 6.1.1 Iridium calls currently enter the Australian National network via a transit carrier gateway (currently Cable & Wireless Optus). Emergency calls originated in Australia will be transited through the transit carrier network and be delivered to the ECP Carrier's POI.
- 6.1.2 The transit carrier will use the same POI address digit structure specified in section 5.3 in sending Emergency calls from Iridium customers to Telstra. The Iridium satellite system can only resolve 27 Location Area Codes (LAC). Iridium LAC boundaries do not align with SMSAs (Refer to Appendix A), the ABC codes to be used for providing MoLI information on Emergency calls from Iridium customers in Australia will be the last three digits (3 least significant digits) of the LAC number. For example, if a call is originated in an area with LAC number 20709, the ABC code to be used will be '709'. Iridium will send the ABC code to the transit carrier who will pass this MoLI code to Telstra unmodified. This solution has the benefit of indicating that the call is from an Iridium customer.
- 6.1.3 Iridium does not provide any CLI to the transit carrier for emergency calls. In this case the transit carrier will provide dummy CLIs when the call is sent to the ECP Carrier's POI exchange.

6.2 Cable & Wireless Optus MobileSat GMPCS

- 6.2.1 No Interim MoLI will be available as all calls originate from a single cell (satellite footprint). Existing manual ECP procedures will continue refer to Section 8.5.

6.3 Telstra MiniSat GMPCS

- 6.3.1 No Interim MoLI will be available as all calls originate from a single cell (satellite footprint). Existing manual ECP procedures will continue refer to Section 8.5

6.4 New Carriers - Both PLMN and GMPCS

- 6.4.1 As new PLMN mobile carriers receive licenses it is recommended that they provide Interim MoLI. For new GMPCS Carriers, Interim MoLI will be provided where technically feasible.

6.5 MoLI to Location Detail

- 6.5.1 For more detail on the exact mapping of the supplied MoLI codes please contact the respective PLMN & GMPCS carriers. The details contained in Appendices A and B are for information only.

7. SMSA Location to MoLI Translation Table Maintenance

- 7.1 Mobile carriers are required to populate and maintain the contents of the SMSA Location to MoLI Translation Table held by ACIF as the radio cell network is changed. ACIF will manage the master version of this table.

8. Interworking Requirements

8.1 Introduction

- 8.1.1 Interim MoLI information will be delivered between interconnecting carrier networks using either Interconnect ISUP or ATUP, that is, delivery is not dependent on a specific signalling system. Interim MoLI is only required to be transported on the Uphill and Hilltop portions of the Emergency Service call. There is no requirement for Interim MoLI on the Downhill portion of the call.
- 8.1.2 MoLI information transfer to the respective ESOs will be included in the existing Name & Address message. This will require an updated message format which will be negotiated by the ECP(s) and the ESOs.

8.2 Originating Mobile Network

- 8.2.1 Interim MoLI will be delivered between interconnecting carrier networks and the ECP's network.

8.3 Transit Network

- 8.3.1 Transit networks will transport MoLI unmodified from the originating mobile network to the destination ECP Carrier network.

8.4 Destination Network - ECP Carrier Network

- 8.4.1 The ECP Carrier network will transport the Interim MoLI unmodified to the ECP.

8.5 Default / Fall Back Procedures

- 8.5.1 Action to be taken if the Interim MoLI is missing or corrupted is the responsibility of the ECP(s). The ECP(s) have manual procedures, whereby the ECP operator verbally queries the caller for their location which will be invoked for any circumstances where the Interim MoLI is not provided or accurate enough to determine the required ESO.

Appendix A - Extract From ACIF Specification G532 - Mobile Location Indicator 1800/13/1300

The following table is included for information only and may be subject to change without notice. For up to date information refer to mobile carrier documentation and the ACIF master of the MoLI to Location Table. Note that any ABC code not included in either Appendices A, B, or D is currently unallocated but this will be subject to change without notice. For example the currently unallocated codes in the ABC range allow for alternate schemes to be provided for other carriers (both mobile and GMPCS) where their radio patterns / cells / coverage do not match the ABC mapping.

Note: 'JK'= Two Digit over-decadic code relating to zone location or CNA.

Central Zone	Area	CNA	JK	ABC
SYDNEY	S	02	01	001
WINDSOR NSW	S	02	02	002
PENRITH	S	02	03	003
CAMPBELLTOWN	S	02	04	004
WOLLONGONG	NS	02	05	005
NOWRA	NS	02	06	006
MORUYA	NS	02	07	007
LAWSON	S	02	08	008
YOUNG	NS	02	09	009
MILES	QS	07	0A	010
MONTO	QS	07	0B	011
MILLMERRAN	QS	07	0C	012
CLERMONT	QS	07	0D	013
INGLEWOOD QLD	QS	07	0E	014
CANBERRA	NS	02	10	016
COOMA	NS	02	11	017
YASS	NS	02	12	018
BOWRAL	NS	02	13	019
GOULBURN	NS	02	14	020
ALBURY	NS	02	15	021
GUNDAGAI	NS	02	16	022
WAGGA	NS	02	17	023
GRIFFITH	NS	02	18	024
WEST WYALONG	NS	02	19	025
LONGREACH	QS	07	1A	026
CEDUNA	SA	08	1B	027
ROXBY DOWNS	SA	08	1C	028
WOOMERA	SA	08	1D	029
PYENGANA	T	03	1E	030
NARRANDERA	NS	02	20	032
BEGA	NS	02	21	033
MELBOURNE	M	03	22	034
COWRA	NS	02	23	035
GEE LONG	VW	03	24	036
MORNINGTON	VE	03	25	037
HEALESVILLE	VE	03	26	038
HAY	NS	02	27	039
DENILQUIN	NS	03	28	040
HOBART	T	03	29	041
OUSE	T	03	2A	042
BEEAC	VW	03	2B	043

Central Zone	Area	CNA	JK	ABC
KERANG	VW	03	2C	044
ORBOST	VE	03	2D	045
MARYBOROUGH VIC	VW	03	2E	046
OATLANDS	T	03	30	048
SMITHTON	T	03	31	049
ULVERSTONE	T	03	32	050
DELORAINE	T	03	33	051
LAUNCESTON	T	03	34	052
JERILDERIE	NS	03	35	053
MURGON	QS	07	36	054
CHINCHILLA	QS	07	37	055
BRISBANE	B	07	38	056
NAMBOUR	QS	07	39	057
BRIGHT	VE	03	3A	058
LEONGATHA	VE	03	3B	059
ST ARNAUD	VW	03	3C	060
SWAN HILL	VW	03	3D	061
CARNARVON	WA	08	3E	062
TOOWOOMBA	QS	07	40	064
BEAUDESERT	QS	07	41	065
KINGAROY	QS	07	42	066
DALBY	QS	07	43	067
GYMPIE	QS	07	44	068
LOWOOD	QS	07	45	069
KALBAR	QS	07	46	070
WARWICK	QS	07	47	071
GOONDIWINDI	QS	07	48	072
TOOGOOLAWAH	QS	07	49	073
CHARLEVILLE	QS	07	4A	074
CLONCURRY	QN	07	4B	075
CUNNAMULLA	QS	07	4C	076
ST GEORGE	QS	07	4D	077
DERBY	WA	08	4E	078
GAYNDAH	QS	07	50	080
BLACKWATER	QS	07	51	081
SOUTHPORT	QS	07	52	082
BALRANALD	NS	03	53	083
MANJIMUP	WA	08	54	084
EMERALD QLD	QS	07	55	085
GLADSTONE QLD	QS	07	56	086
ROCKHAMPTON	QS	07	57	087
BUNDABERG	QS	07	58	088
MARYBOROUGH QLD	QS	07	59	089
TOM PRICE	WA	08	5B	091
MEEKATHARRA	WA	08	5D	093
JABIRU	NT	08	5E	094
CHILDERS	QS	07	60	096
ROMA	QS	07	61	097
BILOELA	QS	07	62	098
ST LAWRENCE	QN	07	63	099
TOWNSVILLE	QN	07	64	100
CAIRNS	QN	07	65	101
MOSSMAN	QN	07	66	102
INNISFAIL	QN	07	67	103
ATHERTON	QN	07	68	104

Central Zone	Area	CNA	JK	ABC
CANNON VALLEY	QN	07	69	105
MACKAY	QN	07	70	112
AYR	QN	07	71	113
INGHAM	QN	07	72	114
BOWEN	QN	07	73	115
TULLY	QN	07	74	116
MOUNT ISA	QN	07	75	117
MORANBAH	QN	07	76	118
CHARTERS TOWERS	QN	07	77	119
PERTH	P	08	78	120
MANDURAH	WA	08	79	121
BUNBURY	WA	08	80	128
BUSSELTON	WA	08	81	129
KALGOORLIE	WA	08	82	130
KAMBALDA	WA	08	83	131
KARRATHA	WA	08	84	132
NORTHAM	WA	08	85	133
PORT HEDLAND	WA	08	86	134
GERALDTON	WA	08	87	135
ALBANY	WA	08	88	136
COLLIE WA	WA	08	89	137
NEWMAN	WA	08	8A	138
KUNUNURRA	WA	08	8B	139
NORSEMAN	WA	08	8C	140
MERREDIN	WA	08	8D	141
WAGIN	WA	08	8E	142
ESPERANCE	WA	08	90	144
GINGIN	WA	08	91	145
DARWIN	NT	08	92	146
ALICE SPRINGS	NT	08	93	147
KATHERINE	NT	08	94	148
ADELAIDE	A	08	95	149
MURRAY BRIDGE	SA	08	96	150
GOOLWA	SA	08	97	151
TANUNDA	SA	08	98	152
PORT PIRIE	SA	08	99	153
WAIKERIE	SA	08	9A	154
CLARE	SA	08	9B	155
LAMEROO	SA	08	9C	156
COOBER PEDY	SA	08	9D	157
NHULUNBUY	NT	08	9E	158
KALANGADOO	SA	08	A0	160
NARACOORTE	SA	08	A1	161
BERRI	SA	08	A2	162
KEITH	SA	08	A3	163
PORT LINCOLN	SA	08	A4	164
KADINA	SA	08	A5	165
INVERELL	NN	02	A6	166
BROKEN HILL	SA	08	A7	167
NARRABRI	NN	02	A8	168
GULGONG	NN	02	A9	169
CHRISTMAS ISLAND	WO	08	AA	170
COCOS(KEELING)ISLAND	WO	08	AB	171
BROOME	WA	08	AC	172
LANCELIN	WA	08	AD	173
MARGARET RIVER	WA	08	AE	174

Central Zone	Area	CNA	JK	ABC
NEWCASTLE	NN	02	B0	176
GOSFORD	NN	02	B1	177
LISMORE NSW	NN	02	B2	178
MURWILLUMBAH	NN	02	B3	179
COFFS HARBOUR	NN	02	B4	180
GRAFTON	NN	02	B5	181
SCONE	NN	02	B6	182
SINGLETON	NN	02	B7	183
TAMWORTH	NN	02	B8	184
ARMIDALE	NN	02	B9	185
PORT MACQUARIE	NN	02	C0	192
TAREE	NN	02	C1	193
STUARTS POINT	NN	02	C2	194
YETHOLME	NN	02	C3	195
ORANGE	NN	02	C4	196
DUBBO	NN	02	C5	197
DEEPWATER	NN	02	C6	198
COONABARABRAN	NN	02	C7	199
PARKES	NN	02	C8	200
MOREE	NN	02	C9	201
COOKTOWN	QN	07	CA	202
LIGHTNING RIDGE	NN	02	D0	208
BAIRNSDALE	VE	03	D1	209
BALLARAT	VW	03	D2	210
BENDIGO	VW	03	D3	211
HAMILTON	VW	03	D4	212
MORWELL	VE	03	D5	213
PORTLAND VIC	VW	03	D6	214
SALE	VE	03	D7	215
SEYMOUR	VE	03	D8	216
SHEPPARTON	VE	03	D9	217
CORRYONG	VE	02	DA	218
TENNANT CREEK	NT	08	DB	219
MOORA	WA	08	DC	220
BINDA	NS	02	DD	221
PORT VICTORIA	SA	08	DE	222
WANGARATTA	VE	03	E0	224
WARRAGUL	VE	03	E1	225
WARRNAMBOOL	VW	03	E2	226
MILDURA	VW	03	E3	227
ECHUCA	VW	03	E4	228
WOODEND	VW	03	E5	229
CAMPERDOWN	VW	03	E6	230
STAWELL	VW	03	E7	231
HORSHAM	VW	03	E8	232
EILDON	VE	03	E9	233
BOURKE	NN	02	EA	234
COONAMBLE	NN	02	EB	235
NYNGAN	NN	02	EC	236
QUEENSTOWN	T	03	ED	237
COBAR	NN	02	EE	238

LEGEND FOR AREAS...

QUEENSLAND NORTH	QN
QUEENSLAND SOUTH	QS
BRISBANE	B
NSW NORTH	NN
NSW SOUTH	NS
SYDNEY	S
VICTORIA EAST	VE
VICTORIA WEST	VW
MELBOURNE	M
TASMANIA	T
SOUTH AUSTRALIA	SA
ADELAIDE	A
WESTERN AUSTRALIA	WA
PERTH	P
NORTHERN TERRITORY	NT
WA OFF-SHORE	WO

Example of Standardised Mobile Service Area Register

SMSA	BENDIGO
JK	D3
ABC	211
CENTRAL ZONE	BENDIGO
ADJOINING ZONES	BRIDGEWATER
	GOORNONG
	HARCOURT
	MALDON
	MARONG
	RAYWOOD
	STRATHFIELDSAYE
OTHER ZONES	CASTLEMAINE
	RUSHWORTH

Appendix B - Iridium LAC Details

The following table is for information only and may be subject to change without notice. For more up to date information refer to the Carrier’s documentation and the ACIF master of the MoLI to Location Table. Note that any ABC code not included in either Appendix A, B, or Section 5.4 is currently unallocated but this will be subject to change without notice.

LACs and Short LACs

LAC	ADMIN_NAME	MoLI ABC Equivalent
20691	Queensland	691
20692	Cape York	692
20696	Northern Territory	696
20701	King Leopold Ranges	701
20706	Western Australia	706
20707	East Queensland	707
20708	Gibson Desert	708
20709	Mid-Northern Territory	709
20710	West Queensland	710
20711	Lake Eyre	711
20712	South Gibson Desert	712
20713	East NSW	713
20714	Norfolk Island	714
20715	New South Wales	715
20717	Perth	717
20718	Kalgoorlie-Boulder	718
20719	South Australia	719
20720	Paul Wild Observatory, Australia	720
20721	Mopra Observatory, Australia	721
20722	New South Wales	722
20723	Parkes Observatory, Australia	723
20724	Australian Capital Territory	724
20726	West Victoria	726
20727	East Victoria	727
20733	Bass Strait	733
20736	Tasmania	736
20737	Tasmania	737
20738	Tasmania E	738
20739	Tasmania W	739
20753	Tasmania	753
20693	Christmas Island	693
20698	Cocos (Keeling) Islands	698

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The primary role of ACIF is to develop and administer Technical Standards, Industry Codes of practice and industry support services that promote both the long-term interest of end-users and the efficiency and international competitiveness of the Australian communications industry.

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