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Routing of calls to the emergency number 112 using the Identification Plan of Municipalities

An Application Guide describing the routing of emergency calls from public communications networks to the public emergency service using the Identification Plan of Municipalities

Reference

ITS WG NI

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ITS

Kistagången 16
Box 1284, SE-164 29 KISTA, SWEDEN

Tel.: + Tel.: +46 (0)70 300 9542

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Foreword

This Application Guide has been produced by ITS AG (WG) NI.

Introduction

This Application guide is released in edition 5 because the use of some codes has been changed, adaptation to SIP is introduced and references to allocation principles for Municipality ID Codes (MIC) in private/corporate networks have been added based on a specification from SOS Alarm, see Reference [7].

This Application Guide describes the mapping of a geographical area and type of call for an originating call into a code from the Identification Plan of Municipalities for emergency calls. The purpose of this is to enable geographic and access type origination dependent routing and to convey geographical and access type information to the emergency service provider (PSAP)¹.

These codes are to be used for emergency calls from public communications networks to the PSAP.

The Application Guide does not deal with the corresponding internal information in each operator's network that might be used.

Public communications networks are interconnected to enable the subscribers in the different networks to call the public emergency service. The public communications operators can connect either directly to the SOS-NTP interface or use a transit network. Figure 1 illustrates possible interconnection alternatives.

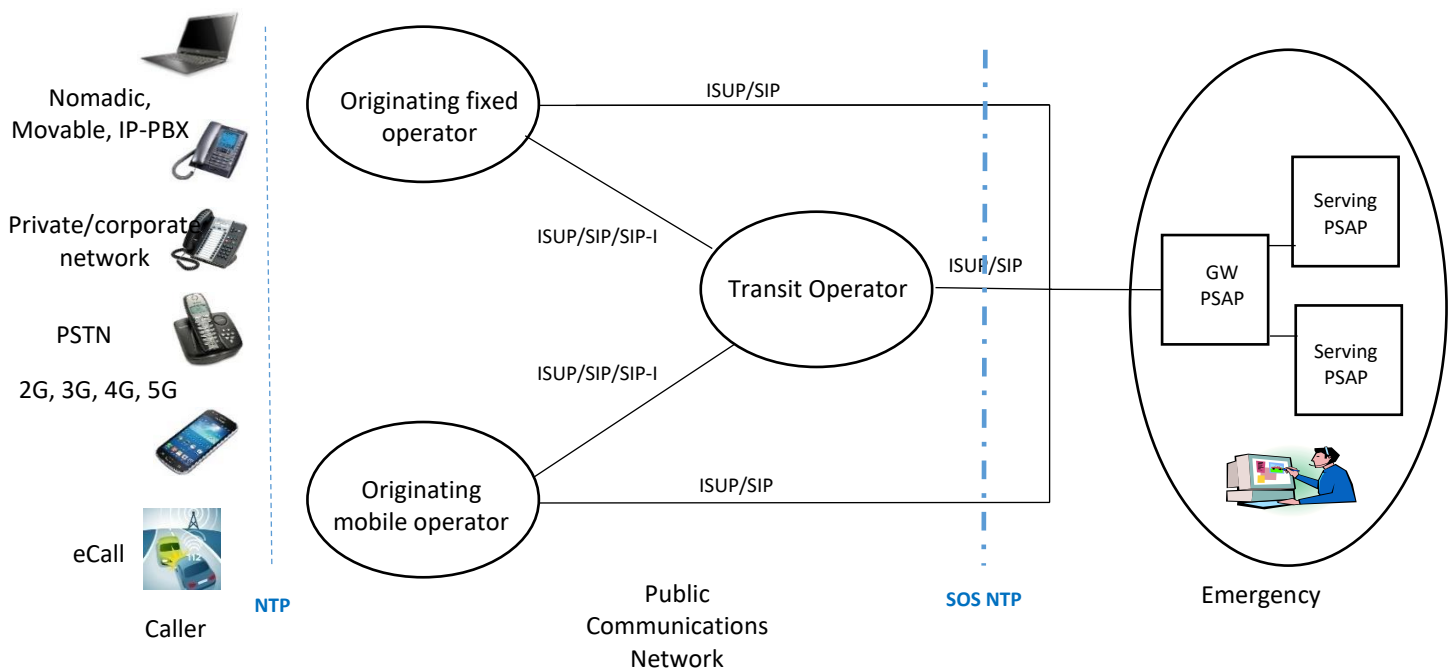


Figure 1

¹ SOS Alarm is acting as the emergency service provider according to an agreement with Swedish government.

1 Scope

It must be possible to set up calls from subscribers and users connected to different public communications networks to the public emergency service. Information concerning the location of the caller and type of access is of importance to the emergency service to obtain the most efficient and fastest emergency call handling. For this purpose, an Identification Plan of Municipalities shall be used when routing emergency calls. This Application Guide is produced to describe the use of codes from the Identification Plan of Municipalities for calls to the emergency number 112. It also gives the interpretation of these to be applied when transferred across the interfaces between public communications networks and the PSAP.

The routing of an emergency call to the most appropriate PSAP is not described in this document. This is today handled by agreements between the sole transit operator, Telia Company, and the emergency service provider. In the case any other network operator needs direct interconnections to the SOS-NTP, contact shall be taken with the emergency service provider to retrieve such routing information. See [2] and [3].

This Application Guide:

- Describes the mapping of a geographical area and type of access of call origination into codes.
- Is applicable for national interconnect between public communications networks based either on ISUP, SIP-I or SIP.
- Is applicable for routing depending on origination and type of call.
- Makes reference to SOS Alarm specification [7] on allocation procedures of Municipality ID Codes for private/corporate networks.

2 References

2.1 Normative references

The following normative documents contain provisions, which through reference in this text constitute provisions of this Application Guide. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this Application Guide are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to apply.

[1] ITS ApG 9, edition 7, 2019-07	Transfer of number information in national interconnection based on ISUP
[2] ITS ApG 24, utgåva 1	Guidelines for calls to the emergency number in Sweden
[3] ITS ApG 25, utgåva 2	Guidelines for calls to emergency number 112 in Sweden using SIP
[4] Post- och telestyrelsen	Sammanställning av svensk nummerplan för telefoni (in Swedish only)
[5] SS 63 63 93:2000, edition 1	Fixed networks-ISDN-Mobile networks ISUP signalling interface for Sweden
[6] SIP	RFC 3261, Session Initiation Protocol
[7] Instruktion för konfigurering av förestagsväxlar med avseende på nödnumret 112	https://www.sosalarm.se/kontakt/underlag-och-blanketter/

2.2 Informative references

[8] ITU-T Rec. Q.763 (12/1999)	Signalling System No. 7. ISDN user part formats and codes
[9] ITU-T Rec. E.164 (11/2010)	The international public telecommunication numbering plan
[10] Telia Company 8211-A356	Address formats for Swedish national SIP/SIP-I interconnection
[11] CEPT ECC Report 301	Provision of caller location information from private/corporate networks

3 Terms and definitions

3.1 eCall

Manually or automatically initiated emergency call, from a vehicle, supplemented with a minimum set of emergency related data (MSD).

3.2 Fixed Networks

Fixed networks are networks where the subscriber connections are fixed, for example connections to PSTN, ISDN and other IP based networks.

3.3 Mobile Networks

Mobile networks are networks where the subscriber connections are mobile, for example connections to PLMN networks.

3.4 Municipality ID Code

A code from the Identification Plan of Municipalities, (Kommun-ID-planen) for calls to the emergency numbers 112 and 90 000.

3.5 Originating Operator

A network of an operator offering subscribers an access for outgoing and incoming calls.

3.6 Private/Corporate Network

An electronic communications network, set up by a legal entity or organisation, which is connected to the public communications networks.²

3.7 Transit Operator

The network of an operator transferring calls between two other operators' networks or to the PSAP from the originating operator's network.

4 Symbols and abbreviations

FQDN	Fully Qualified Domain Name
GW	Gateway
ID	Identifier
IP	Internet Protocol
IP-PBX	IP-based Public Branch Exchange
ISDN	Integrated Services Digital Network

² See [11].

ISUP	ISDN User Part
MIC	Municipality ID Code
NOA	Nature of Address
NTP	Network Termination Point
PBX	Public Branch Exchange
PLMN	Public Land Mobile Network
POI	Point Of Interconnection
PSAP	Public Safety Answering Point
PSTN	Public Switched Telephone Network
SIP	Session Initiation Protocol
SIP-I	SIP with encapsulated ISUP

5 Identification Plan of Municipalities for emergency calls

5.1 General

The tables below describe the Municipality ID Codes (MIC) that are allocated in the Identification Plan of Municipalities for emergency calls to 112. Each MIC is intended for a specific routing case related to the call origination area and type of call.

The purpose of this is to enable geographic and access type origination dependent routing and to convey geographical and access type information to the emergency services.

The routing of an emergency call to the most appropriate PSAP is not described in this document.

5.1.1 Description of the table heading

The tables in chapter 5.3 and 5.4 have the following headers:

1. Municipality/Geographical area or Type of call: The originating municipality or region (Swedish: Kommun or Län) that the routing shall be dependent of or access type of call origination.
2. Service type: The originating call type: alternatives
 - a. Fixed telephony networks
 - b. Mobile telephony networks
 - c. IP-based telephony
 - d. Test call
 - e. Satellite call
3. MIC: The Municipality ID Code to be applied

5.1.2 Number format to be used for emergency calls

To set up a call between two networks, a Called Party Number (ISUP) or Called Party Identity (SIP) must be transferred across the POI. The Called Party Number is a mandatory parameter field and is the information used to identify the called party. It shall be applied according to table 1 and table 2.

Subfield name	Subfield value
Odd/ even indicator	odd/ even
Nature of address indicator	see tables 3 and 4
Internal network number indicator	allowed/not allowed
Numbering plan indicator	1 (E.164)
Address signals	see tables 5 and 6

Table 1: Subfields of Called Party Number in ISUP

SIP Header	Request-URI (RFC 3261)
Format	<sip:+46379112[XYZ]@operator;user=phone>

Table 2: Called Party Identity in SIP

Note 1 –	XYZ	MIC - origin of call according to this Application Guide
Note 2 -	operator	Next hop FQDN as stated by transit agreement or ITS ApG 25 [3] depending on if the destination is a transit operator or SOS-NTP.

5.1.3 Transfer of emergency number 112/ (90 000)

This type of number information is sent across an interface with a subscriber dialing:

- The emergency number is mainly 112 but 90 000 is also available

The subfields Nature of address (ISUP) and Address signals (SIP) shall be applied as shown in table 3 and table 4. It does not matter if a subscriber has dialed 112 or 90 000 for the public emergency service (SOS-service). If the subscriber dialed 90 000 the originating operator shall replace 90 000 with 112.

Subfield name	Subfield value
Nature of address indicator ISUP	3 (National (significant) number)
Address signals	379 112 XYZ Note 1, 2, 3

Table 3: Subfields NoA and Address signals in ISUP

SIP Header	Request-URI (RFC 3261)
Format	<sip:+46379112[XYZ]@operator;user=phone>

Table 4: Called Party Information in SIP

Note 1 -	379	routing number for short codes 11X and 90X
Note 2 -	112	short code for emergency number
Note 3 –	XYZ	MIC - origin of call according to this Application Guide
Note 4 -	operator	Next hop FQDN as stated by transit agreement or ITS ApG 25 [3] depending on if the destination is a transit operator or SOS-NTP.

5.1.4 Transfer of emergency number 112 for eCall

This type of number information is sent across an interface when an eCall is generated:

The subfields Nature of address (ISUP) and Address signals (SIP) shall be applied as shown in table 5 and table 6.

Subfield name	Subfield value
Nature of address indicator ISUP	3 (National (significant) number)
Address signals	379 112 AB XYZ Note 1, 2, 3, 4

Table 5: Subfields NoA and Address signals in ISUP

SIP Header	Request-URI (RFC 3261)
Format	<sip:+46379112[AB][XYZ]@operator;user=phone>

Table 6: Called Party Information in SIP

Note 1 -	379	routing number for short codes 11X and 90X
Note 2 -	112	short code for emergency number
Note 3 -	AB	e-Call discriminator;
		<u>Values</u>
		AB = 00: Automatic eCall
		AB = 01: Manual eCall
Note 4 –	XYZ	MIC - origin of call according to this Application Guide. eCall uses codes for mobile networks
Note 5-	operator	Next hop FQDN as stated by transit agreement or ITS ApG 25 [3] depending on if the destination is a transit operator or SOS-NTP.

5.2 Rules

5.2.1 Rules for setting of Municipality ID Codes (MIC)

The originating operator shall set the Municipality ID Codes. In case of a IP-originated call the MIC shall be set before leaving the gateway to the transit operator network. For calls from private/corporate networks SOS Alarm specification apply, see Reference [7].

5.2.2 User provided and network provided information

In the context of this report the Municipality ID Code can be user or network provided. The MIC is network provided if the setting is done on the network side of the NTP. The MIC is user provided if it is already set on the user side of the NTP. If the number is set when passing the NTP the public telecommunications operator shall not modify the MIC. If only 112 is indicated when the call leaves the private/corporate network the public telecommunications operator shall assign the appropriate Municipality ID Code.

This application Guide does not offer possibility to indicate if the Municipality ID Code is user or network provided – this is outside the scope of this Guide.

5.2.3 Rules for use of Regional Error Codes

In each region there are codes that are intended to be a default value before correct setting of the appropriate MIC is done in the system. When a call with a regional error code is received, it is an indication of an error in the code setting procedure.

The use of these codes shall be mutually agreed between the public communications operators involved in routing the call and the emergency service provider.

5.2.4 Rules for use of Regional Codes for IP-based fixed or mobile calls

In each region there are codes that are intended to be used for IP-originated calls in the case it is technically impossible to determine the origin of the call on municipality level.

The setting of Regional Code for IP-based calls should primarily be based on the registered address of the caller if known, or otherwise based on other knowledge of region of the call origination. This could e.g. be based on knowledge of area covered by a certain server in the operator's network.

5.2.5 Rules for use of MIC 485 to 487 and 489 to 491

The MICs 485 to 487 and 489 to 491 are intended to be used for IP-originated calls in the case it is technically impossible to determine the origin of the call on municipality level but possible on regional level and the call leaves the Internet from a gateway in Sweden.

5.2.6 Rules for use of MIC 492

The MIC 492 is intended to be used for IP-originated calls in the case it is technically impossible to determine the origin of the call on municipality or regional level but possible on a national level and the call leaves the Internet from a gateway in Sweden.

5.2.7 Rules for use of MIC 494

The MIC 494 is reserved for calls from abroad to the Emergency Information Number 11313 using the number +46 77 33 11313 corresponding to emergency information number 11313.

5.2.8 Rules for use of MIC 497

The MIC 497 is intended to be used for satellite calls that are to be routed to the emergency services in Sweden. The use of this MIC shall be based on agreement between the satellite operator and the emergency service provider.

5.2.9 Rules for use of MIC 498

The MIC 498 is a national error code that is intended to be a default value before correct setting of mobile configuration data for MICs. When a call with a national error code is received it is an indication of an error in the code setting procedure.

5.2.10 Rules for use of MIC 499

The MIC 499 is a National Error Code that is intended to be a default value before correct setting of fixed configuration data for Municipality ID Codes. When a call with a national error code is received it is an indication of an error in the code setting procedure.

5.2.11 Rules for use of test MICs

In each region and on national level there are test MICs that can be used for the purpose of testing the routing of emergency calls to a specific PSAP.

The use of these MICs shall be mutually agreed between the public communications operators originating the call and the emergency service provider.

5.3 Municipality ID Codes for public use: 000 - 879

5.3.1 MIC 000 - 099: Not used

Municipality	Service type	MIC
Vacant		000 - 099

Table 7: MICs 000 – 099

5.3.2 MICs 100 – 116: Norrbottens län

Calls with fixed telephony from region Norrbottens län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	100
Arjeplog	Fixed networks	101
Arvidsjaur	Fixed networks	102
Boden	Fixed networks	103
Gällivare	Fixed networks	104
Haparanda	Fixed networks	105
Jokkmokk	Fixed networks	106
Kalix	Fixed networks	107
Kiruna	Fixed networks	108
Luleå	Fixed networks	109
Pajala	Fixed networks	110
Piteå	Fixed networks	111
Älvsbyn	Fixed networks	112
Överkalix	Fixed networks	113
Övertorneå	Fixed networks	114
Regional code for IP-based fixed calls	IP-based telephony	115
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	116

Table 8: MICs 100 – 116: Norrbottens län

5.3.3 MICs 117 – 134: Västerbottens län

Calls with fixed telephony from region Västerbottens län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	117
Bjurholm	Fixed networks	118
Dorotea	Fixed networks	119
Lycksele	Fixed networks	120
Malå	Fixed networks	121
Nordmaling	Fixed networks	122
Norsjö	Fixed networks	123
Robertfors	Fixed networks	124
Skellefteå	Fixed networks	125

Sorsele	Fixed networks	126
Storuman	Fixed networks	127
Umeå	Fixed networks	128
Vilhelmina	Fixed networks	129
Vindeln	Fixed networks	130
Vännäs	Fixed networks	131
Åsele	Fixed networks	132
Regional code for IP-based fixed calls	IP-based telephony	133
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	134

Table 9: MICs 117 – 134: Västerbottens län

5.3.4 MICs 135 - 145: Jämtlands län

Calls with fixed telephony from region Jämtlands län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	135
Bergs	Fixed networks	136
Bräcke	Fixed networks	137
Härjedalen	Fixed networks	138
Krokom	Fixed networks	139
Ragunda	Fixed networks	140
Strömsund	Fixed networks	141
Åre	Fixed networks	142
Östersund	Fixed networks	143
Regional code for IP-based fixed calls	IP-based telephony	144
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	145

Table 10: MICs 135 – 145: Jämtlands län

5.3.5 MICs 146 – 156: Västernorrlands län

Calls with fixed telephony from region Västernorrlands län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	146
Härnösand	Fixed networks	147
Kramfors	Fixed networks	148

Sollefteå	Fixed networks	149
Sundsvall	Fixed networks	150
Timrå	Fixed networks	151
Ånge	Fixed networks	152
Örnsköldsvik	Fixed networks	153
Vacant		154
Regional code for IP-based fixed calls	IP-based telephony	155
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	156

Table 11: MICs 146 – 156: Västerorrlands län

5.3.6 MICs 157 – 170: Gävleborgs län

Calls with fixed telephony from region Gävleborgs län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	157
Bollnäs	Fixed networks	158
Gävle	Fixed networks	159
Hofors	Fixed networks	160
Hudiksvall	Fixed networks	161
Ljusdal	Fixed networks	162
Nordanstig	Fixed networks	163
Ockelbo	Fixed networks	164
Ovanåker	Fixed networks	165
Sandviken	Fixed networks	166
Söderhamn	Fixed networks	167
Vacant		168
Regional code for IP-based fixed calls	IP-based telephony	169
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	170

Table 12: MICs 157 – 170: Gävleborgs län

5.3.7 MICs 171 – 189: Dalarnas län

Calls with fixed telephony from region Dalarnas län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	171

Avesta	Fixed networks	172
Borlänge	Fixed networks	173
Falun	Fixed networks	174
Gagnef	Fixed networks	175
Hedemora	Fixed networks	176
Leksand	Fixed networks	177
Ludvika	Fixed networks	178
Malung-Sälen	Fixed networks	179
Mora	Fixed networks	180
Orsa	Fixed networks	181
Rättvik	Fixed networks	182
Smedjebacken	Fixed networks	183
Säter	Fixed networks	184
Vansbro	Fixed networks	185
Älvdalen	Fixed networks	186
Vacant		187
Regional code for IP-based fixed calls	IP-based telephony	188
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	189

Table 13: MICs 171 – 189: Dalarnas län

5.3.8 MICs 190 – 193, 195 – 204: Västmanlands län

Calls with fixed telephony from region Västmanlands län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	190
Arboga	Fixed networks	191
Fagersta	Fixed networks	192
Hallstahammar	Fixed networks	193
Kungsör	Fixed networks	195
Köping	Fixed networks	196
Norberg	Fixed networks	197
Sala	Fixed networks	198
Skinnskatteberg	Fixed networks	199
Surahammar	Fixed networks	200
Västerås	Fixed networks	201

Vacant		202
Regional code for IP-based fixed calls	IP-based telephony	203
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	204

Table 14: MICs 190 – 193, 195 – 204: Västmanlands län

5.3.9 MICs 205 – 220: Örebro län

Calls with fixed telephony from region Örebro län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	205
Askersund	Fixed networks	206
Degerfors	Fixed networks	207
Hallsberg	Fixed networks	208
Hällefors	Fixed networks	209
Karlskoga	Fixed networks	210
Kumla	Fixed networks	211
Laxå	Fixed networks	212
Lekeberg	Fixed networks	213
Lindesberg	Fixed networks	214
Ljusnarsberg	Fixed networks	215
Nora	Fixed networks	216
Örebro	Fixed networks	217
Vacant		218
Regional code for IP-based fixed calls	IP-based telephony	219
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	220

Table 15: MICs 205 – 220: Örebro län

5.3.10 MICs 221 – 241: Värmlands län

Calls with fixed telephony from region Värmlands län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	221
Arvika	Fixed networks	222
Eda	Fixed networks	223
Filipstad	Fixed networks	224

Forshaga	Fixed networks	225
Grums	Fixed networks	226
Hagfors	Fixed networks	227
Hammarö	Fixed networks	228
Karlstad	Fixed networks	229
Kil	Fixed networks	230
Kristinehamn	Fixed networks	231
Munkfors	Fixed networks	232
Storfors	Fixed networks	233
Sunne	Fixed networks	234
Säffle	Fixed networks	235
Torsby	Fixed networks	236
Årjäng	Fixed networks	238
Vacant		239
Regional code for IP-based fixed calls	IP-based telephony	240
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	241

Table 16: MICs 221 – 241: Värmlands län

5.3.11 MICs 242 – 261: Västra Götalands län (f.d. Skaraborgs län)

Calls with fixed telephony from region Västra Götalands län (f.d. Skaraborgs län).

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	242
Essunga	Fixed networks	243
Falköping	Fixed networks	244
Grästorp	Fixed networks	245
Gullspång	Fixed networks	246
Götene	Fixed networks	247
Hjo	Fixed networks	248
Karlsborg	Fixed networks	249
Lidköping	Fixed networks	250
Mariestad	Fixed networks	251
Skara	Fixed networks	252
Skövde	Fixed networks	253
Tibro	Fixed networks	254

Tidaholm	Fixed networks	255
Töreboda	Fixed networks	256
Vara	Fixed networks	257
Vacant		258
Vacant		259
Regional code for IP-based fixed calls	IP-based telephony	260
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	261

Table 17: MICs 242 – 261: Västra Götalands län (f.d. Skaraborgs län)

5.3.12 MICs 262 – 283: Västra Götalands län (f.d. Älvsborgs län)

Calls with fixed telephony from region Västra Götalands län (f.d. Älvsborgs län).

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	262
Ale	Fixed networks	263
Alingsås	Fixed networks	264
Bengtsfors	Fixed networks	265
Bollebygd	Fixed networks	266
Borås	Fixed networks	267
Dals-Ed	Fixed networks	268
Färgelanda	Fixed networks	269
Herrljunga	Fixed networks	270
Lerum	Fixed networks	271
Lilla Edet	Fixed networks	272
Mark	Fixed networks	273
Mellerud	Fixed networks	274
Svenljunga	Fixed networks	275
Tranemo	Fixed networks	276
Trollhättan	Fixed networks	277
Ulricehamn	Fixed networks	278
Vårgårda	Fixed networks	279
Vänersborg	Fixed networks	280
Åmål	Fixed networks	237
Vacant		281
Regional code for IP-based fixed calls	IP-based telephony	282

Regional test code for Fixed networks or IP-based telephony test call from the region	Test	283
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Table 18: MICs 262 – 283: Västra Götalands län (f.d. Älvsborgs län)

5.3.13 MICs 284 – 302: Västra Götalands län (f.d. Göteborgs och Bohus län)

Calls with fixed telephony from region Västra Götalands län (f.d. Göteborgs och Bohus län).

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	284
Göteborg	Fixed networks	285
Härryda	Fixed networks	286
Kungälv	Fixed networks	287
Lysekil	Fixed networks	288
Munkedal	Fixed networks	289
Mölndal	Fixed networks	290
Orust	Fixed networks	291
Partille	Fixed networks	292
Sotenäs	Fixed networks	293
Stenungsund	Fixed networks	294
Strömstad	Fixed networks	295
Tanum	Fixed networks	296
Tjörn	Fixed networks	297
Uddevalla	Fixed networks	298
Öckerö	Fixed networks	299
Vacant		300
Regional code for IP-based fixed calls	IP-based telephony	301
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	302

Table 19: MICs 284 – 302: Västra Götalands län (f.d. Göteborgs och Bohus län)

5.3.14 MICs 303 – 312: Hallands län

Calls with fixed telephony from region Hallands län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	303
Falkenberg	Fixed networks	304
Halmstad	Fixed networks	305

Hylte	Fixed networks	306
Kungsbacka	Fixed networks	307
Laholm	Fixed networks	308
Varberg	Fixed networks	309
Vacant		310
Regional code for IP-based fixed calls	IP-based telephony	311
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	312

Table 20: MICs 303 – 312: Hallands län

5.3.15 MICs 313 – 336: Skåne län (f.d. Malmöhus län)

Calls with fixed telephony from region Skåne län (f.d. Malmöhus län).

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	313
Bjuv	Fixed networks	314
Burlöv	Fixed networks	315
Eslöv	Fixed networks	316
Helsingborg	Fixed networks	317
Höganäs	Fixed networks	318
Hörby	Fixed networks	319
Höör	Fixed networks	320
Kävlinge	Fixed networks	321
Landskrona	Fixed networks	322
Lomma	Fixed networks	323
Lund	Fixed networks	324
Malmö	Fixed networks	325
Sjöbo	Fixed networks	326
Skurup	Fixed networks	327
Staffanstorps	Fixed networks	328
Svalöv	Fixed networks	329
Svedala	Fixed networks	330
Trelleborg	Fixed networks	331
Vellinge	Fixed networks	332
Ystad	Fixed networks	333
Vacant		334

Regional code for IP-based fixed calls	IP-based telephony	335
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	336

Table 21: MICs 313 – 336: Skåne län (f.d. Malmöhus län)

5.3.16 MICs 337 – 353: Skåne län (f.d. Kristianstads län)

Calls with fixed telephony from region Skåne län (f.d. Kristianstads län).

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	337
Bromölla	Fixed networks	338
Båstad	Fixed networks	339
Hässleholm	Fixed networks	340
Klippan	Fixed networks	341
Kristianstad	Fixed networks	342
Osby	Fixed networks	343
Perstorp	Fixed networks	344
Simrishamn	Fixed networks	345
Tomelilla	Fixed networks	346
Åstorp	Fixed networks	347
Ängelholm	Fixed networks	348
Örkelljunga	Fixed networks	349
Östra Göinge	Fixed networks	350
Vacant		351
Regional code for IP-based fixed calls	IP-based telephony	352
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	353

Table 22: MICs 337 – 353: Skåne län (f.d. Kristianstads län)

5.3.17 MICs 354 – 361: Blekinge län

Calls with fixed telephony from region Blekinge län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	354
Karlshamn	Fixed networks	355
Karlskrona	Fixed networks	356
Olofström	Fixed networks	357

Ronneby	Fixed networks	358
Sölvesborg	Fixed networks	359
Regional code for IP-based fixed calls	IP-based telephony	360
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	361

Table 23: MICs 354 – 361: Blekinge län

5.3.18 MICs 362 – 376: Kalmar län

Calls with fixed telephony from region Kalmar län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	362
Borgholm	Fixed networks	363
Emmaboda	Fixed networks	364
Hultsfred	Fixed networks	365
Högsby	Fixed networks	366
Kalmar	Fixed networks	367
Mönsterås	Fixed networks	368
Mörbylånga	Fixed networks	369
Nybro	Fixed networks	370
Oskarshamn	Fixed networks	371
Torsås	Fixed networks	372
Vimmerby	Fixed networks	373
Västervik	Fixed networks	374
Regional code for IP-based fixed calls	IP-based telephony	375
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	376

Table 24: MICs 362 – 376: Kalmar län

5.3.19 MICs 377 – 387: Kronobergs län

Calls with fixed telephony from region Kronobergs län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	377
Alvesta	Fixed networks	378
Lessebo	Fixed networks	379
Ljungby	Fixed networks	380

Markaryd	Fixed networks	381
Tingsryd	Fixed networks	382
Uppvidinge	Fixed networks	383
Växjö	Fixed networks	384
Älmhult	Fixed networks	385
Regional code for IP-based fixed calls	IP-based telephony	386
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	387

Table 25: MICs 377 – 387: Kronobergs län

5.3.20 MICs 388 – 405: Jönköpings län

Calls with fixed telephony from region Jönköpings län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	388
Aneby	Fixed networks	389
Eksjö	Fixed networks	390
Gislaved	Fixed networks	391
Gnosjö	Fixed networks	392
Habo	Fixed networks	393
Jönköping	Fixed networks	394
Mullsjö	Fixed networks	395
Nässjö	Fixed networks	396
Sävsjö	Fixed networks	397
Tranås	Fixed networks	398
Vaggeryd	Fixed networks	399
Vetlanda	Fixed networks	400
Värnamo	Fixed networks	401
Ydre	Fixed networks	402
Vacant		403
Regional code for IP-based fixed calls	IP-based telephony	404
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	405

Table 26: MICs 388 – 405: Jönköpings län

5.3.21 MICs 406 – 408: Gotlands län

Calls with fixed telephony from region Gotlands län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	406
Gotland	Fixed networks	407
Regional code for IP-based fixed calls	IP-based telephony	408

Table 27: MICs 406 – 408: Gotlands län

5.3.22 MICs 409 – 424: Östergötlands län

Calls with fixed telephony from region Östergötlands län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	409
Boxholm	Fixed networks	410
Finspång	Fixed networks	411
Kinda	Fixed networks	412
Linköping	Fixed networks	413
Mjölby	Fixed networks	414
Motala	Fixed networks	415
Norrköping	Fixed networks	416
Söderköping	Fixed networks	417
Vadstena	Fixed networks	418
Valdemarsvik	Fixed networks	419
Åtvidaberg	Fixed networks	420
Ödeshög	Fixed networks	421
Vacant		422
Regional code for IP-based fixed calls	IP-based telephony	423
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	424

Table 28: MICs 409 – 424: Östergötlands län

5.3.23 MICs 425 – 437: Södermanlands län

Calls with fixed telephony from region Södermanlands län.

Municipality (Kommun)	Service type	Code
Regional Error Code for Fixed networks calls	Fixed networks	425
Eskilstuna	Fixed networks	426

Flen	Fixed networks	427
Gnesta	Fixed networks	428
Katrineholm	Fixed networks	429
Nyköping	Fixed networks	430
Oxelösund	Fixed networks	431
Strängnäs	Fixed networks	432
Trosa	Fixed networks	433
Vingåker	Fixed networks	434
Vacant		435
Regional code for IP-based fixed calls	IP-based telephony	436
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	437

Table 29: MICs 425 – 437: Södermanlands län

5.3.24 MICs 194, 438 – 448: Uppsala län

Calls with fixed telephony from region Uppsala län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	438
Enköping	Fixed networks	439
Håbo	Fixed networks	440
Tierp	Fixed networks	441
Uppsala	Fixed networks	442
Älvkarleby	Fixed networks	443
Östhammar	Fixed networks	444
Knivsta	Fixed networks	445
Heby	Fixed networks	194
Vacant		446
Regional code for IP-based fixed calls	IP-based telephony	447
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	448

Table 30: MICs 194, 438 – 448: Uppsala län

5.3.25 MICs 449 – 479: Stockholms län

Calls with fixed telephony from region Stockholms län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Fixed networks calls	Fixed networks	449
Botkyrka	Fixed networks	450

Danderyd	Fixed networks	451
Ekerö	Fixed networks	452
Haninge	Fixed networks	453
Huddinge	Fixed networks	454
Järfälla	Fixed networks	455
Lidingö	Fixed networks	456
Nacka	Fixed networks	457
Norrtälje	Fixed networks	458
Nynäshamn	Fixed networks	459
Salem	Fixed networks	460
Sigtuna	Fixed networks	461
Sollentuna	Fixed networks	462
Solna	Fixed networks	463
Stockholm, Norr Slussen	Fixed networks	464
Stockholm, Söder Slussen	Fixed networks	465
Sundbyberg	Fixed networks	466
Södertälje	Fixed networks	467
Tyresö	Fixed networks	468
Täby	Fixed networks	469
Upplands Väsby	Fixed networks	470
Upplands-Bro	Fixed networks	471
Vallentuna	Fixed networks	472
Vaxholm	Fixed networks	473
Värmdö	Fixed networks	474
Österåker	Fixed networks	475
Nykvarn	Fixed networks	476
Vacant		477
Regional code for IP-based fixed calls	IP-based telephony	478
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	479

Table 31: MICs 449 – 479: Stockholms län

5.3.26 MICs 480 – 499: No specific region

Calls with fixed or mobile from no specific region or from satellite.

Geographical area or type of call	Service type	MIC
Vacant		480
Vacant		481
Vacant		482
Vacant		483
Vacant		484
National Codes for IP-based fixed or mobile telephony passing gateway in Norrland (Note 1)	IP-based telephony	485
National Codes for IP-based fixed or mobile telephony passing gateway in Svealand (Note 1)	IP-based telephony	486
National Codes for IP-based fixed or mobile telephony passing gateway in Götaland (Note 1)	IP-based telephony	487
Vacant		488
National Codes for IP-based fixed or mobile telephony passing gateway in Stockholm (Note 1)	IP-based telephony	489
National Codes for IP-based fixed or mobile telephony passing gateway in Västra Götaland (Note 1)	IP-based telephony	490
National Codes for IP-based fixed or mobile telephony passing gateway in Skåne (Note 1)	IP-based telephony	491
National Codes for IP-based fixed or mobile telephony passing gateway in Sweden (Note 2)	IP-based telephony	492
Test call from PSTN, ISDN or IP-based fixed telephony originating in Sweden.	Test	493
Calls to Emergency Information Number 11313 if accessed from abroad (Note 3) See 5.2.7	Any telephony service	494
Vacant		495
Vacant		496
Satellite calls (Note 4)	Satellite	497
National Error Code for Mobile Telephony (Note 5)	Mobile Networks	498
National Error Code for Fixed Telephony (Note 6)	Fixed networks	499

Table 32: MICs 480 – 499: No specific region

Note 1

These MICs may only be used if it is technically impossible to determine municipality of call origination and the call is routed via gateway inside of Sweden. The MICs are intended both for fixed and mobile IP-access. The purpose of allocating 6 MICs is to allow for load sharing between PSAPs. Geographical definition of the areas is given in chapter 6.

Note 2

This MIC may only be used if it is technically impossible to determine municipality or region of call origination and the call is routed via gateway inside of Sweden.

Note 3

This MIC is reserved for calls from abroad to the Emergency Information Number. When dialled the following number shall be used +46 77 33 11313.

Note 4

This MIC may only be used for satellite emergency calls routed to Sweden.

Note 5

This MIC may only be used if it is technically impossible to determine if a call from mobile networks originated in a municipality or region in Sweden as defined in this document. This MIC may also be used for basic settings for mobile configuration data on installation.

Note 6

This MIC may only be used if it is technically impossible to determine if a call from fixed networks originated in a municipality or region in Sweden as defined in this document. This MIC may be used for basic settings for configuration data on installation.

5.3.27 MICs 500 – 516: Norrbottens län

Calls with mobile telephony from region Norrbottens län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	500
Arjeplog	Mobile networks	501
Arvidsjaur	Mobile networks	502
Boden	Mobile networks	503
Gällivare	Mobile networks	504
Haparanda	Mobile networks	505
Jokkmokk	Mobile networks	506
Kalix	Mobile networks	507
Kiruna	Mobile networks	508
Luleå	Mobile networks	509
Pajala	Mobile networks	510
Piteå	Mobile networks	511
Älvsbyn	Mobile networks	512
Övertorneå	Mobile networks	513
Övertorneå	Mobile networks	514
Regional code for IP-based mobile calls	IP-based telephony	515

Regional test code for Mobile networks test call from the region	Test	516
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Table 33: MICs 500 – 516: Norrbottens län

5.3.28 MICs 517 – 534: Västerbottens län

Calls with mobile telephony from region Västerbottens län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	517
Bjurholm	Mobile networks	518
Dorotea	Mobile networks	519
Lycksele	Mobile networks	520
Malå	Mobile networks	521
Nordmaling	Mobile networks	522
Norsjö	Mobile networks	523
Robertsfors	Mobile networks	524
Skellefteå	Mobile networks	525
Sorsele	Mobile networks	526
Storuman	Mobile networks	527
Umeå	Mobile networks	528
Vilhelmina	Mobile networks	529
Vindeln	Mobile networks	530
Vännäs	Mobile networks	531
Åsele	Mobile networks	532
Regional code for IP-based mobile calls	IP-based telephony	533
Regional test code for Mobile networks test call from the region	Test	534

Table 34: MICs 517 – 534: Västerbottens län

5.3.29 MICs 535 – 545: Jämtlands län

Calls with mobile telephony from region Jämtlands län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	535
Bergs	Mobile networks	536
Bräcke	Mobile networks	537
Härjedalen	Mobile networks	538

Krokom	Mobile networks	539
Ragunda	Mobile networks	540
Strömsund	Mobile networks	541
Åre	Mobile networks	542
Östersund	Mobile networks	543
Regional code for IP-based mobile calls	IP-based telephony	544
Regional test code for Mobile networks test call from the region	Test	545

Table 35: MICs 535 – 545: Jämtlands län

5.3.30 MICs 546 – 556: Västernorrlands län

Calls with mobile telephony from region Västernorrlands län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	546
Härnösand	Mobile networks	547
Kramfors	Mobile networks	548
Sollefteå	Mobile networks	549
Sundsvall	Mobile networks	550
Timrå	Mobile networks	551
Ånge	Mobile networks	552
Örnsköldsvik	Mobile networks	553
Vacant		554
Regional code for IP-based mobile calls	IP-based telephony	555
Regional test code for Mobile networks test call from the region	Test	556

Table 36: MICs 546 – 556: Västernorrlands län

5.3.31 MICs 557 – 570: Gävleborgs län

Calls with mobile telephony from region Gävleborgs län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	557
Bollnäs	Mobile networks	558
Gävle	Mobile networks	559
Hofors	Mobile networks	560
Hudiksvall	Mobile networks	561

Ljusdal	Mobile networks	562
Nordanstig	Mobile networks	563
Ockelbo	Mobile networks	564
Ovanåker	Mobile networks	565
Sandviken	Mobile networks	566
Söderhamn	Mobile networks	567
Vacant		568
Regional code for IP-based mobile calls	IP-based telephony	569
Regional test code for Mobile networks test call from the region	Test	570

Table 37: MICs 557 – 570: Gävleborgs län

5.3.32 MICs 571 – 589: Dalarnas län

Calls with mobile telephony from region Dalarnas län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	571
Avesta	Mobile networks	572
Borlänge	Mobile networks	573
Falun	Mobile networks	574
Gagnef	Mobile networks	575
Hedemora	Mobile networks	576
Leksand	Mobile networks	577
Ludvika	Mobile networks	578
Malung-Sälen	Mobile networks	579
Mora	Mobile networks	580
Orsa	Mobile networks	581
Rättvik	Mobile networks	582
Smedjebacken	Mobile networks	583
Säter	Mobile networks	584
Vansbro	Mobile networks	585
Älvdalen	Mobile networks	586
Vacant		587
Regional code for IP-based mobile calls	IP-based telephony	588
Regional test code for Mobile networks test call from the region	Test	589

Table 38: MICs 571 – 589: Dalarnas län

5.3.33 MICs 590 – 593, 595 – 604: Västmanlands län

Calls with mobile telephony from region Västmanlands län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	590
Arboga	Mobile networks	591
Fagersta	Mobile networks	592
Hallstahammar	Mobile networks	593
Kungsör	Mobile networks	595
Köping	Mobile networks	596
Norberg	Mobile networks	597
Sala	Mobile networks	598
Skinnskatteberg	Mobile networks	599
Surahammar	Mobile networks	600
Västerås	Mobile networks	601
Vacant		602
Regional code for IP-based mobile calls	IP-based telephony	603
Regional test code for Mobile networks test call from the region	Test	604

Table 39: MICs 590 – 593, 595 – 604: Västmanlands län

5.3.34 MICs 605 – 620: Örebro län

Calls with mobile telephony from region Örebro län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	605
Askersund	Mobile networks	606
Degerfors	Mobile networks	607
Hallsberg	Mobile networks	608
Hällefors	Mobile networks	609
Karlskoga	Mobile networks	610
Kumla	Mobile networks	611
Laxå	Mobile networks	612
Lekeberg	Mobile networks	613
Lindesberg	Mobile networks	614
Ljusnarsberg	Mobile networks	615
Nora	Mobile networks	616

Örebro	Mobile networks	617
Vacant		618
Regional code for IP-based mobile calls	IP-based telephony	619
Regional test code for Fixed networks or IP-based telephony test call from the region	Test	620

Table 40: MICs 605 – 620: Örebro län

5.3.35 MICs 621 – 641: Värmlands län

Calls with mobile telephony from region Värmlands län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	621
Arvika	Mobile networks	622
Eda	Mobile networks	623
Filipstad	Mobile networks	624
Forshaga	Mobile networks	625
Grums	Mobile networks	626
Hagfors	Mobile networks	627
Hammarö	Mobile networks	628
Karlstad	Mobile networks	629
Kil	Mobile networks	630
Kristinehamn	Mobile networks	631
Munkfors	Mobile networks	632
Storfors	Mobile networks	633
Sunne	Mobile networks	634
Säffle	Mobile networks	635
Torsby	Mobile networks	636
Årjäng	Mobile networks	638
Vacant		639
Regional code for IP-based mobile calls	IP-based telephony	640
Regional test code for Mobile networks test call from the region	Test	641

Table 41: MICs 621 – 641: Värmlands län

5.3.36 MICs 642 – 661: Västra Götalands län (f.d. Skaraborgs län)

Calls with mobile telephony from region Västra Götalands län (f.d. Skaraborgs län).

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	642
Essunga	Mobile networks	643
Falköping	Mobile networks	644
Grästorp	Mobile networks	645
Gullspång	Mobile networks	646
Götene	Mobile networks	647
Hjo	Mobile networks	648
Karlsborg	Mobile networks	649
Lidköping	Mobile networks	650
Mariestad	Mobile networks	651
Skara	Mobile networks	652
Skövde	Mobile networks	653
Tibro	Mobile networks	654
Tidaholm	Mobile networks	655
Töreboda	Mobile networks	656
Vara	Mobile networks	657
Vacant		658
Vacant		659
Regional code for IP-based mobile calls	IP-based telephony	660
Regional test code for Mobile networks test call from the region	Test	661

Table 42: MICs 642 – 661: Västra Götalands län (f.d. Skaraborgs län)

5.3.37 MICs 662 – 683: Västra Götalands län (f.d. Älvsborgs län)

Calls with mobile telephony from region Västra Götalands län (f.d. Älvsborgs län).

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	662
Ale	Mobile networks	663
Alingsås	Mobile networks	664
Bengtstors	Mobile networks	665
Bollebygd	Mobile networks	666
Borås	Mobile networks	667

Dals-Ed	Mobile networks	668
Färgelanda	Mobile networks	669
Herrljunga	Mobile networks	670
Lerum	Mobile networks	671
Lilla Edet	Mobile networks	672
Mark	Mobile networks	673
Mellerud	Mobile networks	674
Svenljunga	Mobile networks	675
Tranemo	Mobile networks	676
Trollhättan	Mobile networks	677
Ulricehamn	Mobile networks	678
Vårgårda	Mobile networks	679
Vänersborg	Mobile networks	680
Åmål	Mobile networks	637
Vacant		681
Regional code for IP-based mobile calls	IP-based telephony	682
Regional test code for Mobile networks test call from the region	Test	683

Table 43: MICs 662 – 683: Västra Götalands län (f.d. Älvsborgs län)

5.3.38 MICs 684 – 702: Västra Götalands län (f.d. Göteborgs och Bohus län)

Calls with mobile telephony from region Västra Götalands län (f.d. Göteborgs och Bohus län).

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	684
Göteborg	Mobile networks	685
Härryda	Mobile networks	686
Kungälv	Mobile networks	687
Lysekil	Mobile networks	688
Munkedal	Mobile networks	689
Mölndal	Mobile networks	690
Orust	Mobile networks	691
Partille	Mobile networks	692
Sotenäs	Mobile networks	693
Stenungsund	Mobile networks	694
Strömstad	Mobile networks	695

Tanum	Mobile networks	696
Tjörn	Mobile networks	697
Uddevalla	Mobile networks	698
Öckerö	Mobile networks	699
Vacant		700
Regional code for IP-based mobile calls	IP-based telephony	701
Regional test code for Mobile networks test call from the region	Test	702

Table 44: MICs 684 – 702: Västra Götalands län (f.d. Göteborgs och Bohus län)

5.3.39 MICs 703 – 712: Hallands län

Calls with mobile telephony from region Hallands län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	703
Falkenberg	Mobile networks	704
Halmstad	Mobile networks	705
Hylte	Mobile networks	706
Kungsbacka	Mobile networks	707
Laholm	Mobile networks	708
Varberg	Mobile networks	709
Vacant		710
Regional code for IP-based mobile calls	IP-based telephony	711
Regional test code for Mobile networks or Internet test call from the region	Test	712

Table 45: MICs 703 – 712: Hallands län

5.3.40 MICs 713 – 736: Skåne län (f.d. Malmöhus län)

Calls with mobile telephony from region Skåne län (f.d. Malmöhus län).

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	713
Bjuv	Mobile networks	714
Burlöv	Mobile networks	715
Eslöv	Mobile networks	716
Helsingborg	Mobile networks	717
Höganäs	Mobile networks	718

Hörby	Mobile networks	719
Höör	Mobile networks	720
Kävlinge	Mobile networks	721
Landskrona	Mobile networks	722
Lomma	Mobile networks	723
Lund	Mobile networks	724
Malmö	Mobile networks	725
Sjöbo	Mobile networks	726
Skurup	Mobile networks	727
Staffanstorp	Mobile networks	728
Svalöv	Mobile networks	729
Svedala	Mobile networks	730
Trelleborg	Mobile networks	731
Vellinge	Mobile networks	732
Ystad	Mobile networks	733
Vacant		734
Regional code for IP-based mobile calls	IP-based telephony	735
Regional test code for Mobile networks test call from the region	Test	736

Table 46: MICs 713 – 736: Skåne län (f.d. Malmöhus län)

5.3.41 MICs 737 – 753: Skåne län (f.d. Kristianstads län)

Calls with mobile telephony from region Skåne län (f.d. Kristianstads län).

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	737
Bromölla	Mobile networks	738
Båstad	Mobile networks	739
Hässleholm	Mobile networks	740
Klippan	Mobile networks	741
Kristianstad	Mobile networks	742
Osby	Mobile networks	743
Perstorp	Mobile networks	744
Simrishamn	Mobile networks	745
Tomelilla	Mobile networks	746
Åstorp	Mobile networks	747

Ängelholm	Mobile networks	748
Örkelljunga	Mobile networks	749
Östra Göinge	Mobile networks	750
Vacant		751
Regional code for IP-based mobile calls	IP-based telephony	752
Regional test code for Mobile networks test call from the region	Test	753

Table 47: MICs 737 – 753: Skåne län (f.d. Kristianstads län)

5.3.42 MICs 754 – 761: Blekinge län.

Calls with mobile telephony from region Blekinge län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	754
Karlshamn	Mobile networks	755
Karlskrona	Mobile networks	756
Olofström	Mobile networks	757
Ronneby	Mobile networks	758
Sölvesborg	Mobile networks	759
Regional code for IP-based mobile calls	IP-based telephony	760
Regional test code for Mobile networks test call from the region	Test	761

Table 48: MICs 754 – 761: Blekinge län.

5.3.43 MICs 762 – 776: Kalmar län

Calls with mobile telephony from region Kalmar län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	762
Borgholm	Mobile networks	763
Emmaboda	Mobile networks	764
Hultsfred	Mobile networks	765
Högsby	Mobile networks	766
Kalmar	Mobile networks	767
Mönsterås	Mobile networks	768
Mörbylånga	Mobile networks	769
Nybro	Mobile networks	770

Oskarshamn	Mobile networks	771
Torsås	Mobile networks	772
Vimmerby	Mobile networks	773
Västervik	Mobile networks	774
Regional code for IP-based mobile calls	IP-based telephony	775
Regional test code for Mobile networks test call from the region	Test	776

Table 49: MICs 762 –776: Kalmar län

5.3.44 MICs 777 – 787: Kronobergs län

Calls with mobile telephony from region Kronobergs län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	777
Alvesta	Mobile networks	778
Lessebo	Mobile networks	779
Ljungby	Mobile networks	780
Markaryd	Mobile networks	781
Tingsryd	Mobile networks	782
Uppvidinge	Mobile networks	783
Växjö	Mobile networks	784
Älmhult	Mobile networks	785
Regional code for IP-based mobile calls	IP-based telephony	786
Regional test code for Mobile networks test call from the region	Test	787

Table 50: MICs 777 – 787: Kronobergs län

5.3.45 MICs 788 – 805: Jönköpings län

Calls with mobile telephony from region Jönköpings län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	788
Aneby	Mobile networks	789
Eksjö	Mobile networks	790
Gislaved	Mobile networks	791
Gnosjö	Mobile networks	792
Habo	Mobile networks	793

Jönköping	Mobile networks	794
Mullsjö	Mobile networks	795
Nässjö	Mobile networks	796
Sävsjö	Mobile networks	797
Tranås	Mobile networks	798
Vaggeryd	Mobile networks	799
Vetlanda	Mobile networks	800
Värnamo	Mobile networks	801
Ydre	Mobile networks	802
Vacant		803
Regional code for IP-based mobile calls	IP-based telephony	804
Regional test code for Mobile networks test call from the region	Test	805

Table 51: MICs 788 – 805: Jönköpings län

5.3.46 MICs 806 – 808: Gotlands län

Calls with mobile telephony from region Gotlands län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	806
Gotland	Mobile networks	807
Regional code for IP-based mobile calls	IP-based telephony	808

Table 52: MICs 806 – 808: Gotlands län

5.3.47 MICs 809 – 824: Östergötlands län

Calls with mobile telephony from region Östergötlands län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	809
Boxholm	Mobile networks	810
Finspång	Mobile networks	811
Kinda	Mobile networks	812
Linköping	Mobile networks	813
Mjölby	Mobile networks	814
Motala	Mobile networks	815
Norrköping	Mobile networks	816
Söderköping	Mobile networks	817

Vadstena	Mobile networks	818
Valdemarsvik	Mobile networks	819
Åtvidaberg	Mobile networks	820
Ödeshög	Mobile networks	821
Vacant		822
Regional code for IP-based mobile calls	IP-based telephony	823
Regional test code for Mobile networks test call from the region	Test	824

Table 53: MICs 809 – 824: Östergötlands län

5.3.48 MICs 825 – 837: Södermanlands län

Calls with mobile telephony from region Södermanlands län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	825
Eskilstuna	Mobile networks	826
Flen	Mobile networks	827
Gnesta	Mobile networks	828
Katrineholm	Mobile networks	829
Nyköping	Mobile networks	830
Oxelösund	Mobile networks	831
Strängnäs	Mobile networks	832
Trosa	Mobile networks	833
Vingåker	Mobile networks	834
Vacant		835
Regional code for IP-based mobile calls	IP-based telephony	836
Regional test code for Mobile networks test call from the region	Test	837

Table 54: MICs 825 – 837: Södermanlands län

5.3.49 MICs 838 – 840: Uppsala län

Calls with mobile telephony from region Uppsala län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	838
Enköping	Mobile networks	839
Håbo	Mobile networks	840

Tierp	Mobile networks	841
Uppsala	Mobile networks	842
Älvkarleby	Mobile networks	843
Östhammar	Mobile networks	844
Knivsta	Mobile networks	845
Heby	Mobile networks	594
Vacant		846
Regional code for IP-based mobile calls	IP-based telephony	847
Regional test code for Mobile networks test call from the region	Test	848

Table 55: MICs 594, 838 – 848: Uppsala län

5.3.50 MICs 849 – 879: Stockholms län

Calls with mobile telephony from region Stockholms län.

Municipality (Kommun)	Service type	MIC
Regional Error Code for Mobile networks calls	Mobile networks	849
Botkyrka	Mobile networks	850
Danderyd	Mobile networks	851
Ekerö	Mobile networks	852
Haninge	Mobile networks	853
Huddinge	Mobile networks	854
Järfälla	Mobile networks	855
Lidingö	Mobile networks	856
Nacka	Mobile networks	857
Norrtälje	Mobile networks	858
Nynäshamn	Mobile networks	859
Salem	Mobile networks	860
Sigtuna	Mobile networks	861
Sollentuna	Mobile networks	862
Solna	Mobile networks	863
Stockholm, Norr Slussen	Mobile networks	864
Stockholm, Söder Slussen	Mobile networks	865
Sundbyberg	Mobile networks	866
Södertälje	Mobile networks	867
Tyresö	Mobile networks	868

Täby	Mobile networks	869
Upplands Väsby	Mobile networks	870
Upplands-Bro	Mobile networks	871
Vallentuna	Mobile networks	872
Vaxholm	Mobile networks	873
Värmdö	Mobile networks	874
Österåker	Mobile networks	875
Nykvarn	Mobile networks	876
Vacant		877
Regional code for IP-based mobile calls	IP-based telephony	878
Regional test code for Mobile networks test call from the region	Test	879

Table 56: MICs 849 – 879: Stockholms län

5.4 MICs for forwarded Emergency Calls: 880 - 999

Emergency calls forwarded from one to another Public Safety Answering Point use MICs from this series.

Municipality	Call type	MIC
Reserved		880 - 999

Table 57: MICs 880 – 999: Routing between PSAPs

6 Regions in Sweden

Clarification of names of parts of Sweden and corresponding regions.

Part	Region	MIC
Norrland	Västernorrlands län	485
	Jämtlands län	485
	Västerbottens län	485
	Norrbottens län	485
	Gävleborgs län	485
	Dalarnas län	485
Svealand	Uppsala län	486
	Södermanlands län	486
	Östergötlands län	486
	Gotlands län	486
	Värmlands län	486
	Örebro län	486
	Västmanlands län	486
Stockholm	Stockholms län	489
Götaland	Jönköpings län	487
	Kronobergs län	487
	Kalmar län	487
	Blekinge län	487
	Hallands län	487
Västra Götaland	Västra Götalands län	490
Skåne	Skåne län	491

Table 58: Parts and regions of Sweden

Document history

Document history		
1	March 2006	Creation of the routing plan
2	February 2011	Update due to move of Heby from region Västmanland to region Uppsala
3	November 2015	Update to reflect changes of routing based om regions in Sweden
4	October 2016	Update concerning routing of eCall
5	July 2019	Update concerning clarifying of calls from private/corporate networks (reference to SOS Alarm specification), changed use of some Municipality ID Codes (and also introducing uniform terminology for the Municipality ID Code (MIC)) and adaptation to SIP according to ITS ApG 25 Edition 2.