



GPRS Communication Protocol

Version 1.5

1. Working Mode

This tracker connects to platform server by TCP.

The way for connection is that device connects to the platform server forwardly.

After connecting to the platform server, tracker will feedback a enrolling message.

The enrolling message contains the device's ID.

If the device received the answer from the platform server, it will stop to sending enrolling message but send continuous feedback message.

The continuous feedback message not contains the device ID.

The platform server binds the device by connection.

One connection represents a device ID.

When the connection cuts off, the device will connect the platform server automatically and send out a device enrolling message.

Besides, the device will send out a hand-shaking message at intervals of time.

The hand-shaking message contains the Device ID.

After receiving the handshaking answer message from the platform server, the device waits for sending the handshaking message in next period.

1.1 Updated Version Instruction

V1.4	1. Increase setting the data send intervals of ACC
2008/10/23	Switch
	2. Increase the controlling of device's restarted
	command
V1.5	1. Increase the setting Geo-fence command
2008/11/4	

2. Message Details

2.1 Data Type definition

Data Type	Instruction				
CHAR	Single ASCII code character				
C_STRING	Contain ASCII character string. When fix digits, fill in				
	Binary system of bank (0x20H) on right for lacking d				
	to fix a long time except for special instruction.				
N_STRING	Contain the digit character string of 0.9. When fix digits,				
	fill in ASCII code 0(Ox30H) on left for lacking digit except				
	for special instruction.				
H_STRING	Contain the digit character string of O. F. When fix digits,				
	fill in ASCII code 0(Ox30H) on left for lacking digit except				
	for special instruction.				
HEX_STRING	Hexadecimal system character string. Such as 1, use				
	"31" for indication. When fix digits, fill in ASCII code 0				
	(Ox30H) on left for lacking digit except for special				
	instruction.				
BIN	Binary system data				
BYTE	8 digits without symbol integer,0255				

2.2 Message format

GPS Tracker exchanges the information with network gateway through data frames transmitting, using TCP protocol. Full data frames structure definition for GPRS is as following:

Head	Serial number	Command	Message Body	Trail
	/ Time			
1 byte	12 byte	4 byte	N byte (N≤1K)	1byte

Each Full data frame must contain: Head symbol, Serial Number/ Time, Command word, Message body, Trail symbol

2.3 Message field definition Y

2.3.1 Head/Trail symbol digit

Symbol digit figures the beginning and ending of the message frame. 0x28H (character "(") as beginning symbol, and 0x29H (character ")") as ending symbol.

2.3.2 Command word

Length: 4 bytes, C_STRING character

Function: Define the type of operated message for data frame transmitting, and figures the function of data. The definition is as following,

Table 2a Down Message Definition

Messa	Sub	Messa	Command description	Remark
geTyp	Type	ge NO		
е				
		00	One time calling message 3.1.5	-
		01	Response handshake signal message 3.1.1	-
		03	Read device parameter configuring message	
		04	Read device operated status message	Device
	5	05	Device login response message 3.1.2	paramete
	Р	07	Center No. configuring message	r
		11	Cell phone NO. configuring message	message
Α		12	Setting vehicle high and low limit speed 3.1.8	
		15	Monitor Command	
		17	Read device cell phone configuring	
		00	Common Message	General
		01	Attempt Message	communi
	Q	02	Answer of calling message(Taxi)	cation
		03	Calling Message(Taxi)	message
		04	Navigation Message	
		00	Isochronous for continues feedback	
			configuring 3.1.3	Vehicle
		01	Isometry for continues feedback configuring	positionin
	R	05	Set ACC open sending data transmiting	g
			intervals 3.1.12	Answer
		06	Set ACC open sending data transmiting	message
			intervals 3.1.13	
		01	Answer Alarm Message 3.1.4	Answer
	S	07	Answer Message for getting customer successfully (Taxi)	signal
•	т	00	Control the restarted message of the device	
	Т		3.1.11	
		00	Circuit control signal 3.1.9	Control
	V	01	Oil control signal 3.1.10	signal
	V	02	One key configuring command	
		03	Read one key configuring	
		00	Answer currency up explaining result message	
		01	Alarm configuring message	
		02	Device Function configuring command	Expandin
	Χ	03	Device mode configured command	g
		04	Intialized device command	message
		05	Setting Geo-fence Message 3.1.14	

Table 2b Up Message Definition

		01	Alarm message 3.2.4	Alarm			
				messag e			
		00	Handshake signal message 3.2.1				
		02	Answer device parameter configured				
		message device parameter comigu					
	03 Answer device operated status message						
		04	04 Answer calling message 3.2.5				
	Р	05	Answer device login response message	е			
		3.2.2					
	12 Answer vehicle high and low speed limit						
			3.2.8				
		07	Message for getting customer successfully				
			(Taxi)				
		00	Isochronous feedback message 3.2.6				
		01	Isometry continuous feedback message	Vehicle			
		02	Continues feedback ending messsage3.2.7				
	R	05	Answer the Setting ACC open sending data	ing			
В			transmitting intervals 3.2.12	messag			
		06	Answer the Setting ACC open sending data	е			
		00	transmitting intervals 3.2.13				
			transmitting intervals 3.2.13				
		04	Answer attempered Message				
		05	Answer reading called configuring number				
		06	Answer caller configuring number				
		08	Answer setting isochronous feedback	Answer			
	S		message 3.2.3	messag			
		09	Answer setting Isometry feedback message	е			
		20	Answer response calling message (Taxi)				
		21	Answer calling message(Taxi)				
		23	Answer navigation message				
	Т						
			3.2.11				
	U 00 Answer the Setting Geo-fence Message						
	3.2.14						
	V	00	Answer circuit control 3.2.9	Answer			
		01	Answer oil control 3.2.10	control			
		02	Answer enquiring of one key setting	sign			

The words in red is the functions the device has already: in black furures options.

2.3.3 Device ID

Length: 15 bytes (Fixed); Type: C_STRING.

Function: This field for fixing the device. Only when the device sends the device login message and handshake message, it will send the device ID, and other message will not send device ID. The platform fixes device by device ID. The usual format for device ID is "0000" + "telephone number". The reference format is: "000013612345678"

2.3.4 Message running NO. / Time

Length: 12 bytes (Fixed); Type: C_STRING

When center need response message, the 12 bytes figures the message running NO. And device's feedback should have the same running NO. with the sent message by the center. Other time, the 12 bytes is the time field.

2.3.5 Message body

Length: no fixed, <=1024 bytes, also can be blank.

Function: Confirm the server data message under corresponding command.

3. Command Message

3.1.Down Message (Sent from Server to Tracker)

3.1.1 Answer handshake signal message

Message Field		Message Value	Туре		Length (Character)		nstruction
Beginning identif	fier	(CHAR		1		
Running NO./Tin	ne		C_STRING		12		
Command word		AP01	C_STRING		4		
Message body		Message	C_STRING		3		
		content					
Message content	sage content HSO						
Ending identifier) CHAR				1			
For example:							
(040331141830	AP01H	S0)					
Figures the ser	nding	message tir	ne is 2008-8-	30-	14:18:30, d	lown	response
handshake signa	ıl mess	sage.					
Response	No ne	No need response					
Instruction:	This	message is a	vailable to all d	levi	ce		

3.1.2 Device login response message

Message Field	Message Value	Type	Length (Character)	Instruction		
Beginning	(CHAR	1			
identifier						
Running		C_STRING	12			
NO./Time						
Command	AP05	C_STRING	4			
word						
Message	Message	C_STRING	none			
body	content					
Message						
content						
Ending)	CHAR	1			
identifier						
For example						
(040331141830 AP05)						
Instruction: This message is available to all device						

3.1.3 IsoChronic continues feedback configuration

Message Field	Message Value	Туре	Length (Character)	Instruction		
Beginning	(CHAR	1			
identifier						
Running		C_STRING	12			
NO./Time						
Command	AR00	C_STRING	4			
word						
Message		C_STRING	8			
Body						
Message	AR00XXXXYY	ZZ				
Content	AR00: Fixed	key words				
	XXXX: Interva	al for each messa	ge of continues	feedback. hex. Unit:		
	Second, 4 c	haracters in all,	H_STRING.	The max is 0xFFFF		
	seconds. Wh	en XXXX=0,the	device stops co	ontinues feedback.		
	YYZZ: The to	tal time for feedb	ack, 16 advanc	e system. Unit: YY:		
	Hour, ZZ: M	inute. 4 characte	ers in all,H_S	STRING, The max is		
	0xFFFF, ie:2!	55 hours 255 mii	nutes. When Y	YZZ=0, according to		
	the time inter	vals, continues f	eedback.			
	When both X	XXXX and YYZZ	are not 0, it	figure that feedback		
	according to	the time interva	als, when it up	to the total time, it		
	automaticly	automaticly stop to feedback				
Ending)	CHAR	1			
identifier						

For example	For example:					
(040331141	830 AR00 00140024)					
Figures the	e sending message time is 2008-8-30-14:18:30. Down fixed time to					
set continue	s feedback. Feedback GPS data every 20 (16*1 + 4) seconds and					
feedback 36	(16 * 2 + 4) minutes in all.					
Response	Device response BS08					
Sending	Short Message, GPRS					
mode						
Instruction	This message is available to ecolomic device and navigation device.					
	In the mode of SMS to continues feedback, if set time interval is less					
	than the Min time interval (Set by the device manufacturer), it will					
	continues feedback according to the Min time interval, otherwise					
	continues feedback according to the set time. The data mode is the					
	same as the SMS mode.					

3.1.4 Answer Alarm Message

Message Field	Message Value	Туре	Length (Character)	Instruction		
Beginning	(CHAR	1			
identifier						
Running		C_STRING	12			
NO./Time						
Command	AS01	C_STRING	4			
word						
Message body		C_STRING	1			
Message	AS01X					
Content	X: The type of	of alarm for BO01	X up alarm me	essage.1character,16		
	advance syst	advance system, ASCII character				
	0: Cut off vel	nicle oil	1: Happen ac	ccident 2: Vehicle		
	rob (SOS hel	p)				
	3: Vehicle ar	nti-theft alarm	4: Vehicle lo	w speed alarm		
	5: Vehicle ov	er speed alarm	6. Alarm out	of Geo-fence		
Ending)	CHAR	1			
identifier						
For example:						
(04033114183	0 AS01 2)					
Figures the ser	nding message t	ime is 2008-8-3	0-14 :18:30, a	nswer the up vehicle		
rob police	rob police					
Response	No need respon	No need response				
Instruction:	This message is	s available to all	device			

3.1.5 One time enquiry message

Message	Message	Туре	Length	Instruction		
Field	Value		(Character)			
Beginning	(CHAR	1			
identifier						
Running		C_STRING	12			
NO./Time						
Command	AP00	C_STRING	4			
word						
Message	Message	C_STRING	0			
body	content					
Message						
body						
Ending)	CHAR	1			
identifier						
For example:						
(0403311418	30 AP00)					
figures the ser	figures the sending message time is 2008-8-30-14 :18:30, closed the oil. Down					
one time cal	one time calling message.					
Response	Device response BP04					
Instruction:	This message is available to all device					

3.1.8 Setting vehicle high and low limit speed

Message Field	Message Value	Туре	Length (Character)	Instruction		
Beginning	(CHAR	1			
identifier						
Running		C_STRING	12			
NO./Time						
Command	AP12	C_STRING	4			
word						
Message	Message	C_STRING				
Body	content					
Message	H050L030					
Content						
Ending)	CHAR	1			
identifier						
For example:						
`	30 AP12 H050L0	•				
	-			Setting the up limit		
speed is50kn	n/h,low limit is	30km/h.When up	limit is 000,it	figures cancel alarm		
up limit, and	up limit, and When down limit is 000, it figures cancel alarm down limit. Less 3					
digits of the speed, full 0 on left. Alarm refer to 3.2.4.						
Response	BP12					
Instruction	This message is	s available to all o	device			
:						

3.1.9 Circuit control signal

Message Field	Message Value	Туре	Length (Character)	Instruction	
Beginning	(CHAR	1		
identifier					
Running		C_STRING	12		
NO./Time					
Command	AV00	C_STRING	4		
word					
Message	Message	C_STRING			
Body	content				
Message	"1"or"0", "1"f	"1"or"0", "1"figures opening circuit,"0"figures closing circuit.			
Content					
Ending)	CHAR	1		
identifier					
For example:					
`	(080830141830 <mark>AV00</mark> 0)				
Figures the se	Figures the sending message time is 2008-8-30-14:18:30, closed the circuit.				
Response	nse BV00				
Instruction	This message is available to all device				
:					

3.1.10 Oil control single

Message	Message	Туре	Length	Instruction	
Field	Value		(Character)		
Beginning	(CHAR	1		
identifier					
Running		C_STRING	12		
NO./Time					
Command	AV01	C_STRING	4		
word					
Message	Message	C_STRING			
body	content				
Message	"1"or"0","1"fi	gures opening oil	, "0"figures clos	sing oil。	
content					
Ending)	CHAR	1		
identifer					
For example:					
(0808301418	30 AV01 0)				
figures the se	figures the sending message time is 2008-8-30-14 :18:30,closed the oil.				
Responds:	ds: BV00				
Instruction	This message is available to all device				
:					

3.1.11 Control the restarted message of the device

Message	Message	Type	Length	Instruction	
Field	Value		(Character)		
Beginning	(CHAR	1		
identifier					
Running		C_STRING	12		
NO./Time					
Command	AT00	C_STRING	4		
word					
Message	Message	C_STRING			
body	Content				
Message	no				
content					
Ending)	CHAR	1		
identifier	,				
For example	•				
(0808301418	30 AT00)				
`	Figures the sending message time is 2008-8-30-14 :18:30,the device restart.				
Response	BT00				
.					
Instruction	Instruction This message is available to all device				
:					

3.1.12 Set ACC open sending data intervals

Message Field	Message Value	Туре	Length (Character)	Instruction	
Beginning identifier	(CHAR	1		
Running NO./Time		C_STRING	12		
Command word	AR05	C_STRING	4		
Message body	Message content	C_STRING			
Message	AR05XXXX				
content	AR05: Fixed	AR05: Fixed keywords			
	XXXX: The ti	me for sending da	ata intervals for t	he ACC Open, hex.	
	Unit: Second				
Ending identifier)	CHAR	1		
For example					
(0808301418	30 AR05 0014)				
Figures the se	Figures the sending message time is 2008-8-30-14:18:30, it sends back intervals				
20 seconds w	20 seconds when the ACC is opening.				
Response	se BR05				
Instruction	This message is available to all device				
:					

3.1.13 Set ACC close sending data intervals

Message	Message	Туре	Length	Instruction
Field	Value		(Character)	
Beginning identifier	(CHAR	1	
Running NO./Time		C_STRING	12	
Command word	AR06	C_STRING	4	
Message body	Message content	C_STRING		
Message	AR06XXXX			
content	AR06: Fixed	kevwords		
		•	data intonvalo f	or the ACC Open,
		_	uata iiiteivais i	of the ACC Open,
	Hex. Unit: Se	econd		
	1	T ==	T .	T
Ending)	CHAR	1	
identifier				
For example				
`	(080830141830AR06003C)			
Figures the se	nding message	time is 2008-8-3	30-14 :18:30,it s	ends back intervals
20 seconds when the ACC is closing.				
Response	se BR06			
Instruction :	This message is available to all device			

3.1.14 Setting Geo-fence Message

Message Field	Message Value	Туре	Length (Character)	Instruction	
Beginning identifier	(CHAR	1		
Running NO./Time		C_STRING	12		
Command word	AX05	C_STRING	4		
Message body	Message content	C_STRING			
Message content	Maxlongitude AX05: Fixed N: "0" or "3 Geo-fence. If for candout. D: Standard Minlatitude: Id	AX05 N,D, Minlatitude, Maxlatitude, G, Minlongitude, Maxlongitude AX05: Fixed Keywords N: "0" or "1", "0", figures cancel Geo-fence, "1"figures sets Geo-fence. If for cancelling the Geo-fence, the back data cannot be sent			
Ending identifier)	CHAR	1		
For example					
`	• •	45.318,2246.452		,	
_		ending message time is 2008-8-30-14 :18:30.Set Geo-fence.,lower			
	de is 22 degree 45. 318 cent, upper limit for latitude is 22 degree				
-	lower limit for longitude is 112 degree 33.232 cent, upper limit for				
Response	13 degree 55.175 cent. BU00				
Instruction		s available to all o	device		
111301 0001011	inis message is	available to dil (ac vice		

3.2.Up message (Sent from Tracker to Server)

3.2.1 Handshake signal Message

Message	Field value	Туре	Length	Instruction		
Field			(byte)			
Beginning	(CHAR	1			
identifier						
Running		C_STRING	12			
NO./Time						
Command	BP00	C_STRING	4			
word						
Device ID	Device ID	C_STRING	15			
Message body		C_STRING	3			
Message	0000136123456780HSO					
content						
Ending)	CHAR	1			
identifier						
Example::						
(04033114183	30 BP00 000013	612345678HSO)				
figures the sen	figures the sending message time is 2008-8-30-14 :18:30.Up data handshaking					
message, "000	message, "000013632782450"is device's ID。					
Response	Centre service response AP01					
Instruction:	This message is available to all device					

3.2.2 Login message

Message Field	Message Value	Т	ype	Length (Character)	Instruction
Beginning	(CHAR		1	
identifier					
Running		C_STF	RING	12	
NO./Time					
Command	BP05	C_STF	RING	4	
word					
Device ID	Terminal ID	C_STF	RING	15	
Message body		C_STF	RING	60	
Message	15 terminal	ID + 0	GPS data		
content					
Ending)	CHAR		1	
identifier					
Example:					
(080524101241	BP0500001363	327824	50080524	A2232.9806N114	04.9355E000.11
01241323.870000000L000450AC)					
Response:			Centre se	ervice response A	P05
Instruction:	Instruction:			sage is available	to all device

3.2.3 Continuous answer setting isochronous feedback message

Message Field	e Message Value	Type	Length (Character)	Instruction
Beginning	(CHAR	1	
identifier	Ì			
Running		C_STRING	12	
NO./Time				
Command wor	rd BS08	C_STRING	4	
Message Body	/	C_STRING	8	
Message	BS08XXXX	YYZZ		
Content	BS08: Fix	key words		
	XXXX: inte	erval of time ever	ry each return ne	ws. Unit: second,
	total of 4 b	ytes,H_STRING	G, up to 65535 s	seconds。XXXX=0,
	·	urn message。		
	YYZZ: tota	ıl return time,Ur	nit: YY: Hour、Z	Z: Minute. Total of
	4 bytes, h	exadecimal, up	to FFFF,means	255 hours and 255
	minutes。\	When $YYZZ=0$,th	nen ceaselessly i	eturn according to
	the interva	l of time。		
	When XXX	X and YYZZ un	equal to, then	means ceaselessly
	return by	time interval, s	top return until re	each the total time。
Ending identif	ier)	CHAR	1	
Example:				
(0403311418	830 <mark>BS08</mark> 000500	014)		
Showing the ti	ime for send me	ssage at 14:18:3	30 March 31,200	4, return GPS data
every 5 seco	nds, total of 20	minutes。		
Response:	No need to response			
Instruction ⁻	This message a	ipplies to econo	mically terminal	s and navigational
1	terminals. Ceaselessly return, after the mode of short message. If			
1	the interval of set time is less than the interval of minimum time (set			
	by the terminal manufacturers), then the time of ceaselessly return			
	according to the interval of minimum time, if not, then according to			
1	the interval of th	e set time. Data	model and short	message model are
1	the same.			

3.2.4 Alarm message

Message Field	Message Value	Туре	Length (Character)	Instruction	
Beginning	(CHAR	1		
identifier					
Running		C_STRING	12		
NO./Time					
Command	BO01	C_STRING	4		
word					
Message		C_STRING	61		
Body					
Message	BO01X+GPS	data			
Content	BO01: Fixed	keywords			
	X: Specific a	larm information	code, 1 byte,	Hexadecimal。	
	Alarm inform	nation:			
	0: Vehicle po	ower off 1: Acc	cident 2: Ve	ehicle robbery (SOS	
	help)				
	3: Vehicle anti-theft and alarming 4: Lowerspeed Alert				
	5: Overspeed Alert 6:Alarm when out of Geo-fence				
Ending)	CHAR	1		
identifier					

Example:

(080331061830**BO01**9061830A2934.0133

N10627.2544E040.0080331309.6200000000L000770AD)

Showing the time for send message at 14:18:30,March 31,2008, add 8 hours is china time. Alarm message and vehicle robbery GPS data acquisition time is March 31,2008, Universal time is 6:18:30. "A" shows the data available, 29 degrees,34.0133 minutes north latitude, 106 degrees 27.2544 minutes east longitude, speed is 040.0 km/h, the angle is 309.62 degrees, from due north. "L" means the sum of distance, unit is meter, mileage statistic.

Response:	Centre response AS01		
Instruction	This message applies to all terminals. Send the information up to 1		
	times every30 seconds. No longer to send the information after		
	receive the platform response.		

3.2.5 Answer Calling Message

Message	Message	Туре	Length	Instruction
Field	Value		(Character)	
Beginning	(CHAR	1	
identifier				
Running		C_STRING	12	
NO./Time				
Command	BP04	C_STRING	4	
word				
Message		C_STRING	Random	
Body			length	
Message	BP04+GPS dat	ta		
Content	BP04: fix Command Word。			
Ending)	CHAR	1	
identifier				
Evample				

Example

(080525141830**BP04**080525A2934.0133N

10627.2544E000.0141830309.6200000000L00000023)

Showing the time for send message at 22:18:30,on May 25.Upterminal news (center response by one roll call), GPS data acquisition time is May25,2008, Universal time is 14:18:30, "A" shows the data available, 29 degrees,34.0133 minutes north latitude, 106 degrees 27.2544 minutes east longitude, speed is 0km/h, the angle is 309.62 degrees, from due north.

Response	No
Instruction:	This message is available to all device

3.2.6 Isochronous for continues feedback message

Message Field	Messag	ge Value	Туре	Length (Character)	Instruction	
Beginning	(CHAR	1		
identifier						
Running			C_STRING	12		
NO./Time						
Command	BR00		C_STRING	4		
word						
Message body			C_STRING			
Message body	BR00+	GPS data				
Message)		CHAR	1		
content						
Ending						
identifier						
Example						
(080612022828	BR00080	0612A223	2.9828N11404.	9297E000.002	2828000.00000	
00000L000230A	AA)					
Response No						
Instruction		This message applies to economically terminals and				
		navigational terminals. Continuously return total time				
		and distance, or receive the message of stop				
		continuously return message from the center., then send				
		the endir	ng message to o	center。		

3.2.7 Continues feedback ending message

Message Field	Message Value	Туре	Length (Character)	Instruction		
Beginning	(CHAR	1			
identifier						
Running		C_STRING	12			
NO./Time						
Command	BR02	C_STRING	4			
word						
Device ID		C_STRING	Random			
			length			
Message	BR02 + GPS	6 data				
body						
Message)	CHAR	1			
content						
Ending						
identifier						
Example:						
Response:	No					
Instruction	This message applies to economically terminals and navigational					
	terminals. Continuously return total time and distance, or receive the					
	message of stop continuously return message from the center., then					
	send the endin	g message to ce	nter			

3.2.8 Setup the speed of the Car

Message	Message	Туре	Length	Instruction	
Field	Value		(Character)		
Beginning	(CHAR	1		
identifier					
Running		C_STRING	12		
NO./Time					
Command	BP12	C_STRING	4		
word					
Message	Message	C_STRING			
body	Content				
Message	H0501L030				
body					
Message)	CHAR	1		
content					
Ending					
identifier					
Example:					
(080831141830 BP12 H0501L030)					
Instruction 1	Instruction This message is available to all device				

3.2.9 Control circuit

Message Field	Message Value	Туре	Length (Character)	Instruction	
Beginning	(CHAR	1		
identifier					
Serial number/Time		C_STRING	12		
Command Word	BV00	C_STRING	4		
Message Body	Message Content	C_STRING			
Message		neans circuit has	been opened, "0	" means circuit has	
Content	been closed				
Close Identifier)	CHAR	1		
Example:					
Response:	No				
Instruction	This message is available to all device				

3.2.10 Control oil

Message Field	Message Value	Туре	Length (Character)	Instruction
Beginning	(CHAR	1	
identifier				
Running		C_STRING	12	
NO./Time				
Command	BV01	C_STRING	4	
word				
Device ID	Message content	C_STRING		
Message		neans oil has bee	en opened, "0"m	neans oil has been
body	closed。			
Message)	CHAR	1	
content				
Ending				
identifier				
Example:				
Response:	No			
Instruction	This message is	s available to all o	device	

3.2.11 Answer the restarted message of the device

Message Field	Message Value	Type	Length (Character)	Instruction	
Beginning	(CHAR	1		
identifier					
Running		C_STRING	12		
NO./Time					
Command	BT00	C_STRING	4		
word					
Message	Message	C_STRING			
Body	Content				
Message	no				
Content					
Ending)	CHAR	1		
identifier					
Example:					
Response:	No				
Instruction	This message is available to all device				

3.2.12 Answer the Setting ACC open sending data intervals

Message		Type	Length	Instruction	
Field Beginning	Value (CHAR	(Character)		
identifier		0			
Running		C_STRING	12		
NO./Time					
Command	BR05	C_STRING	4		
word					
Message	Message	C_STRING			
Body	Content				
Message	no				
Content					
Ending)	CHAR	1		
identifier	/		-		
Example:					
Posponso	No				
Response:	No				
Instruction	This message is available to all device				
:					

3.2.13 Answer the Setting ACC close sending data intervals

Message Field	Message Value	Туре	Length (Character)	Instruction	
Beginning	(CHAR	1		
identifier					
Running		C_STRING	12		
NO./Time					
Command	BR06	C_STRING	4		
word					
Message	Message	C_STRING			
Body	Content				
Message	no				
Content					
Ending)	CHAR	1		
identifier					
Example:					
Response:	No				
Instruction	This message is available to all device				

3.2.14 Answer the Setting Geo-fence Message

Message	Message	Туре	Length	Instruction			
Field Beginning	Value (CHAR	(Character)				
identifier		0.1	_				
		C_STRING	12				
Running		C_STRING	12				
NO./Time	21100	0.0777110					
Command	BU00	C_STRING	4				
word							
Message	Message	C_STRING					
Body	Content						
Message	BU00N						
Content	BU00 : Comi			C			
		N: 0 or 1,"0"figures answer the cancelling Geo-fence. "1" figures answer setting Geo-fence.					
Ending)	CHAR	1				
identifier							
Example:							
Response:	No						
Instruction	This message is available to all device						

4. Appendix

4.1. The format definition of GPS location message

Message Field	Message Value	Туре	Length (Char)	Instruction
Time	YYMMDD	N_STRING	6	Two bytes for each year/month/day
The availability of GPS data		CHAR	1	"A" or "V". "A" means the availability of GPS data, "V" means the invalidation of GPS data.
Latitude		N_STRING	9	The unit is degree for he front two bytes, from $0 \sim 90$; the unit is cent for later seven bytes.
Latitude indicator	"N" or "S"	CHAR	1	"N" means north latitude, "S" means south latitude
Longitude		N_STRING	10	The unit is degree for he front three bytes, from $0{\sim}180$; the unit is cent for later seven bytes
Longitude indicator	"E" or "W"	CHAR	1	"E" means east longitude, "W" means west longitude
Speed		N_STRING	5	The unit is km/h
Time	HHMMSS	N_STRING	6	Two bytes of the year/month/day
Orientation		N_STRING	6	
IO State	"0" or "1"	N_STRING	8	The 8 bits of IO The first bit representative of the main power switch, "0" means the main power-on, "1", means the main power-off. The second bit on behalf of the ACC (ignition), "0" means ACC off, "1" means ACC on. Other reservations
Milepost		CHAR	1	"L" mean Mileage
Mile data		H_STRING	8	Mile data, Unit: Meter The total mileage. The max is 0xFFFFFFFF