

# JSATL12-2017 Protocol for ADAS&DMS

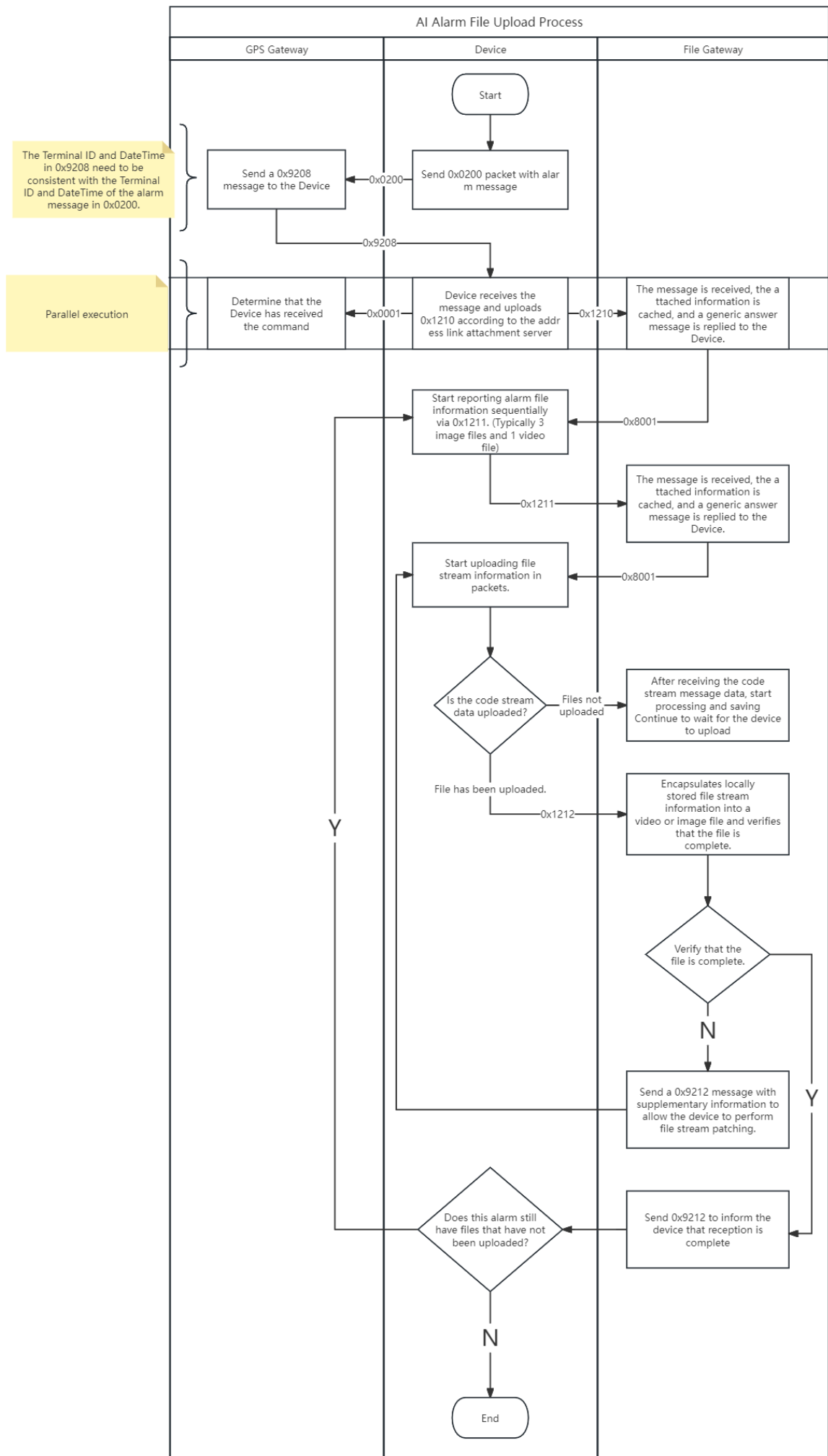
## Message structure

identification	Message header							Message body	Check code	identification
	Message ID	Message body properties				Terminal phone number	Message serial number			
		15 ~ 14	13	12~10	9~0					
		Reserved	Subcontracting	Data encryption	Message body length					

This document will work better when combined with JSATL12-2017-DVR-en.pdf, JTT808-GPS-zh-en.pdf, and JSATL12-2017-DVR-en.pdf

# AI Alarm File Upload Process

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```

        "[bit14]Version identification": false,
        "[bit13]Whether to split the package": false,
        "[bit10~bit12]Data encryption method": 0,
        "[bit0~bit9]Message body length": 77
    },
    "[0000]Version": 0,
    "[114800004045]Terminal phone number": "114800004045",
    "[0003]Message serial number": 3,
    "[Message content]": {
        "[Alarm status]": {
            "
[00000000000000000000000000000000000000000000000000000000000000000000]Alarm status
Value": 0,
            "[bit0]SOS": false,
            "[bit1]over speed": false,
            "[bit7]Low battery": false,
            "[bit8]Power outage": false,
            "[bit14]Tired warning": false,
            "[bit15]Shake": false,
            "[bit16]Light sensor alarm": false,
            "[bit28]Displacement Alarm": false,
            "[bit29]Collision warning": false,
            "[bit30]Rollover warning": false
        },
        "[Status]": {
            "
[0000000000000000000000000000000000000000000000000000000000000000000010011000000000111000011]Status value":
4981187,
            "[bit0]ACC status 0:Off 1:On": true,
            "[bit1]Positioning status 0:Invalid 1:valid": true,
            "[bit2]South latitude and north latitude 0:North latitude 1:South
latitude": false,
            "[bit3]West longitude and east longitude 0:East longitude 1:West
longitude": false,
            "[bit10]Oil circuit status 0: the vehicle oil circuit is normal;
1: The vehicle oil circuit is disconnected": false,
            "[bit11]Circuit status 0: vehicle circuit is normal; 1: The
vehicle circuit is disconnected": false,
            "[bit23] Power on status 0:Power off 1:Power on": false
        },
        "[03185EFD]Latitude": 51928829,
        "[094E5CF3]Longitude": 156130547,
        "[0064]Elevation": 100,
        "[0137]Speed": 311,
        "[0000]Direction": 0,
        "[240516182826]Date Time": 1715884106000,
        "[Location Additional Information]": [
            {
                "[65]Additional information ID": 101,
                "[2F]Additional information length": 47,
                "[Additional information content]": {
                    "[0000007A]Alarm ID": 122,
                    "[00]Flag status": 0,
                    "[01]Alarm/event type": 1,
                    "[01]Alarm level": 1,
                    "[01]Fatigue degree": 1,

```



start byte	field	type of data	Description and requirements
0	Attachment server IP address length	BYTE	length k
1	Attachment server IP address	STRING	Server IP address
1+k	Attachment server port (TCP)	WORD	Server port number when using TCP transmission
3+k	Attachment server port (UDP)	WORD	Server port number when using UDP transmission
5+k	Alarm identification number	BYTE[16]	The definition of the alarm identification number is shown in Table 4-16
21 + k	Alarm number	BYTE[32]	The unique number assigned by the platform to the alarm
53 + k	reserve	BYTE[16]	

```
[
  {
    "[7E]Start Identification": 126,
    "[9208]Message ID": 37384,
    "[Message body properties]": {
      "[0000000000000000000000001010001]Message body properties value":
81,
      "[bit14]Version identification": false,
      "[bit13]Whether to split the package": false,
      "[bit10~bit12]Data encryption method": 0,
      "[bit0~bit9]Message body length": 81
    },
    "[0000]version": 0,
    "[114800004045]Terminal phone number": "114800004045",
    "[0001]Message serial number": 1,
    "[Message content]": {
      "[0C]Attachment server IP address length": 12,
      "[191f167f1f66]Attachment server IP address": "192.168.2.66",
      "[13A4]Attachment server port": 5028,
      "[0000]Attachment server port UDP": 0,
      "[Alarm mark]": {
        "[31323334353637]Terminal ID": "1234567",
        "[240516182825]Time": 1715884105000,
        "[00]Serial number": 0,
        "[04]Attachment number": 4,
        "[00]Reserved": 0
      },
      "[17158539370895100912854588265854]32-bit alarm number":
"17158539370895100912854588265854",
      "[0000000000000000]Reserved": ""
    },
  },
]
```





```

    "[114800004045]Terminal phone number": "114800004045",
    "[0009]Message serial number": 9,
    "[Message content]": {
        "[0001]response serial number": 1,
        "[9208]response id": 37384,
        "[00]response result": 0
    },
    "[CA]Check code": 202,
    "[7E]Stop Identification": 126
}
]

```

#### 4. Alarm attachment information message(0x1210)

7e12100111114800004045000b3132333435363731323334353637240516182825000400313731353835333933373038393531303039313238353435383832363538353400043130305f36355f363530315f305f31373135383533393337303839353130303931323835343538383236353835342e706e67000009123130305f36355f363530315f315f31373135383533393337303839353130303931323835343538383236353835342e706e67000009123130305f36355f363530315f325f31373135383533393337303839353130303931323835343538383236353835342e706e670000078e3130335f36355f363530315f335f31373135383533393337303839353130303931323835343538383236353835342e62696e00000100fa7e

start byte	field	Data length	Description and requirements
0	Terminal ID	BYTE [7]	7 bytes, composed of uppercase letters and numbers, this terminal ID is defined by the manufacturer, if the number of digits is insufficient, add "0x00"
7	Alarm identification number	BYTE[16]	the alarm identification number is shown in Table 4-16
23	Alarm number	BYTE[32]	The unique number assigned by the platform to the alarm
55	information type	BYTE	0x00: normal alarm file information 0x01: Supplementary transmission of alarm file information
56	Number of attachments	BYTE	Number of attachments associated with the alarm
57	Attachment information list		See Table 4-2 4

```

[
{
    "[7E]Start Identification": 126,
    "[1210]Message ID": 4624,

```

[illegible]



```
    "[7E]Stop Identification": 126
  }
]
```

## 6. File information upload(0x1211)

7e12110037114800004045000c3130305f36355f363530315f305f313731353835333933373038393

53130303931323835343538383236353835342e706e670000000912227e

start byte	field	Data length	Description and requirements
0	file name length	BYTE	The length of the filename is l
1	file name	STRING	file name
1 + l	file type	BYTE	0x00: picture 0x01: Audio 0x02: video 0x03: text 0x04: other
2 + l	File size	DWORD	currently uploaded file .

```
[
{
"[7E]Start Identification": 126,
"[1211]Message ID": 4625,
"[Message body properties]": {
    "[000000000000000000000000110111]Message body properties value":
55,
        "[bit14]Version identification": false,
        "[bit13]whether to split the package": false,
        "[bit10~bit12]Data encryption method": 0,
        "[bit0~bit9]Message body length": 55
    },
    "[0000]version": 0,
    "[114800004045]Terminal phone number": "114800004045",
    "[000c]Message serial number": 12,
    "[Message content]": {
        "[31]FileNameLength": 49,
        "[00ff65f6500fff17158539370895100912854588265854efef]FileName":
"00_65_6501_0_17158539370895100912854588265854.png",
        "[00]FileType": 0,
        "[00000912]FileSize": 2322
    },
    "[22]Check code": 34,
    "[7E]Stop Identification": 126
}
]
```

**This message will tell you the current file information to be transferred. After you confirm it is correct, reply 0x8001 to the device. After the device receives your reply of 0x8001, it will transfer the byte stream information of the current file to you, as follows**

2024-05-16 10:29:03 INFO: [T7e64cbce: 114800004045: attachmentserver: SERVER  
<<< DEVICE\_192.168.2.66]  
3031636430305f36355f363530315f305f31373135383533393337303839353130303931323835343  
538383236353835342e706e670000000000000091289504e470d0a1a0a0000000d49484452000002  
80000001e00802000000bab34bb3000008d94944415478daeddb6d4ee33018855116339b9d5533f31  
3d1faf5f55793c241470815d2c6a1ca9338cdc7e7df3f00c08b7dd8040020c00020c0008000038000  
0300020c00020c0008300008300020c0009cf2ffeb1dd7b9f5b57b741fc3eb54bf7cb142dbff13ad5  
50a1f4c56b878aaa1916e5f6474982bc3017859c31677ec13fbc662955a3fb7c67824c0e10a153ddb  
be8b7fba1af983ddb5ca87dc1d6977f1d1454687b9321c802dfbe7a77be0e48f4f3cd85df9d6f77a4  
fbe3fc0c5de3c0cf0e3da1ffa678f6ea0d10027f56dbdc9a617a95f3d7fe74d0c07607a9f5c37ece6  
019edeaf1e0ff04da6a017035c1f16b4b67b32d5d07a93e51b277fc74cbcc946870370620afab601e  
eae7c3ec77e36c0f9cb1fdacb4f4f8fcf0578e250e3eb66495e2ebf6831719dc35c34708729e8e2e7  
6baf0187175577ec48cf9c01879fd8ba30c08f45fcb6cee1c97432d2e4df3377063cf126c88f0000c  
e4d413f3d737ba333e0cb023c7a0df8dc2e3eef56fd01b6bc6d7367c02702bcbe880003af9c7fbea4  
b52b537ddd9b4a8e4f416ff914f4a1db905e7346b83e05bdbda6f9d8571601d8b57f0e674faf0df0c  
4d1c382b7bd0fb87b6d3c3cd99dbe0f78f4bdb57e1ff0d30f4f75c73eba08c0b9f3e06462f53ed780  
b75c99dd10600038775a7cc30bd8eb33a0020cc0f527c46ffa9ed5683972f030b30005c408001408  
001408001000106000106000418000418001060001060004080014080014080010001060001060004  
180004180010600010600040800140800140800100010600010600041800041800106000106000408  
001408001408001000106000106000418000418001060001060004080014080014080010001060001  
060004180004180010600010600040800140800140800100010600010600041800041800106000106  
000408001408001408001000106000106000418000418001060001060004080014080014080010001  
060001060004180004180010600010600040800140800140800100010600010600041800041800106  
00010600040800140800140806d020010600010600040800140800100010600010600041800041800  
106000106000106000408001408001000106000106000418000418001060001060001060004080014  
080010001060001060004180004180010600010600010600040800140800100010600010600041800  
041800106000106000106000408001408001000106000106000418000418001060001060001060004  
08001408001000106000106

```
2024-05-16 10:29:03 INFO: [T7e64cbce: 114800004045: attachmentserver: SERVER
<<< DEVICE_192.168.2.66]
000418000418001060001060001060004080014080010001060001060004180004180010600010600
010600040800140800100010600010600041800041800106000106000106000408001408001000106
0001060004180004180010600010600010605b0100041800041800106000106000408001408001000
106000106000418000418000418001060001060004080014080010001060001060004180004180004
180010600010600040800140800100010600010600041800041800041800106000106000408001408
001000106000106000418000418000418001060001060004080014080010001060001060004180004
180004180010600010600040800140800100010600010600041800041800041800106000106000408
001408001000106000106000418000418000418001060001060004080014080010001060001060004
18000418000418001060001060004080014080010001060001060004180004180004d856000001060
001060004180004180010600010600040800140800100010600010600010600041800041800106000
106000408001408001000106000106000106000418000418001060001060004080014080010001060
001060001060004180004180010600010600040800140800100010600010600010600041800041800
106000106000408001408001000106000106000106000418000418001060001060004080014080010
001060001060001060004180004180010600010600040800140800100010600010600010600041800
041800106000106000408001408001000106000106000106000418000418001060001060004080014
08001000106000106000106000418000418001060001060004080014080010001060001060001b609
004080014080010001060001060004180004180010600010600040800140800140800100010600010
600041800041800106000106000408001408001408001000106000106000418000418001060001060
004080014080014080010001060001060004180004180010600010600040800140800140800100010
600010600041800041800106000106000408001408001408001000106000106000418000418001060
001060004080014080014080010001060001060004180004180010600010600040800140800140800
100010600010600041800041800106000106000603ec08f5fdf7e5bfcfde383f54bb45eb478b07ef2
ee73d603a907f574a9d1410d6db1fc41800b4defacba7bf2a175985ef64601ae37f168c9867edb7db
058bc4e7e772cc98a25cf9f1c1924bfcd1f04b8b6be733babe4544a809b639bd876798aba8b84012e
1eeceb6fc27fed231c796e30f80fbc4785780bfee7b1fa7485baf7bcb69c2b533e056f39e6e887cc
b0ee5bc8e7158f46e80f389ebd141154f2ec0c0ef09707156f3f824adf476fff2275f032e0236713a
f8fa00d73f846b585fedc827ba870e595c0606de622e7a3ac0c9b30dedc07fda19f0c481cf890087b
d4fa638f2575f19d4d0047eabd3020cbc6980bb97fc5a33cc027c24c013354a3e2f9dbf514e0478fd
e37fa3fd06b8bcbe4908928b7dddacfcea004f7cf8ed4480d7ebd59a36df1ee0a12db6f8792e804be
a9befacf26bc0e1e9d3db0778ee3ee0a10984f016db707662cbe96372ab717dfc910f2adc6213f758
03bcbebee1ce6aface97df12600040800140800100010600010600041800041800041800106000106
0004080014080010001060001060004180004180004d8260000010600010600041800041800106000
106000408001408001000106000106000106000418000418001060001060004080014080010001068
0abfc03245029499e4677870000000049454e44ae426082
2024-05-16 10:29:04 INFO: [T7e64cbce: 114800004045: attachmentserver: SERVER
<<< DEVICE_192.168.2.66]
7e12120037114800004045000d3130305f36355f363530315f305f313731353835333933373038393
53130303931323835343538383236353835342e706e670000000912207e
```

## 7. File upload completed message(0x1212)

In the above code block example, you can see that the device sends a separate message to inform us that the file has been uploaded, but it should be noted that *The device may merge the 0x1212 message information into the file stream message, so please pay attention when you process file stream messages*

```
7e12120037114800004045000d3130305f36355f363530315f305f313731353835333933373038393
53130303931323835343538383236353835342e706e670000000912207e
```







```
    "[supplementary packet list]": []  
  },  
  "[B6]Check code": 182,  
  "[7E]Stop Identification": 126  
}  
]
```