999 Emergency File Format.
Issue 2

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1. Introduction

The UK telecoms market is regulated by the Office of Communications (OFCOM). OFCOM requires all UK Communication Providers (CP's) to provide an emergency call capability. BT offers the 999/112 call handling service to UK CP's on a wholesale basis. OFCOM also mandates that all CP's register accurate location information for use during an emergency call.

This document details the interface to be used by all CP's to pre-register their customer name and address details with the BT 999 platform. This interface was previously used to send data to both the BT 999 platform and to the BT Directories platform (LORS 2). The generic SFF interface has now been split into two interfaces, the Emergency File Format for 999/112 and the Standard File Format for Directory Services. These interfaces should now be regarded as completely different and independent formats.

The BT 999 system consists of a number of servers that are collectively known as the Trinity 999 Platform. The Trinity Data Manager (TDM) holds the master copy of all 999 name and address information.

The data provided over EFF is used to accurately route emergency calls to the correct Emergency Service. The data is also electronically passed to the Emergency Service and used to guide Emergency Service Vehicles to the correct location. This facility is particularly important when the caller is unable to communicate their location.

Consideration should be given by the CP to the type of data provided to the BT 999 systems. The address provided should be the installation address rather than billing or any other address. The customer name provided should be that of the person resident at the installation address or, in the case of a business, should be the "name over the door" rather than a holding company. Further advice on Emergency Data is available in Refs 1. and 5. (see Section 13), it is strongly recommended that CPs take this information into account when designing their interface.

It is essential that all CPs provide accurate and complete customer data over the EFF interface. Failure to provide full and accurate information to BT will delay the Emergency Services response to emergency situations.

This version (2) of the EFF interface has been expanded to include 100 (Operator Services) data for use by BT. CP data that is provided for the purpose of emergency call handling only will not be used in any way for 100 call handling purposes.

Further information supporting the management of data for the Operator Assistance (100) and Emergency Assistance (999/112) services is available from the document referenced in Section 13.

1.1. Who Should Use This Document

1. Any CP (including BT) product developers sending 999 or 100 data files to the BT 999 Platform.
2. Any BT Retail support person handling CP 999 data.

2. Systems Overview.

CPs should use the Calypso staging server to transfer their EFF files to the BT 999 platform. Calypso is a secure internet facing server. The file transfer mechanism used on Calypso is TLS encrypted FTP.

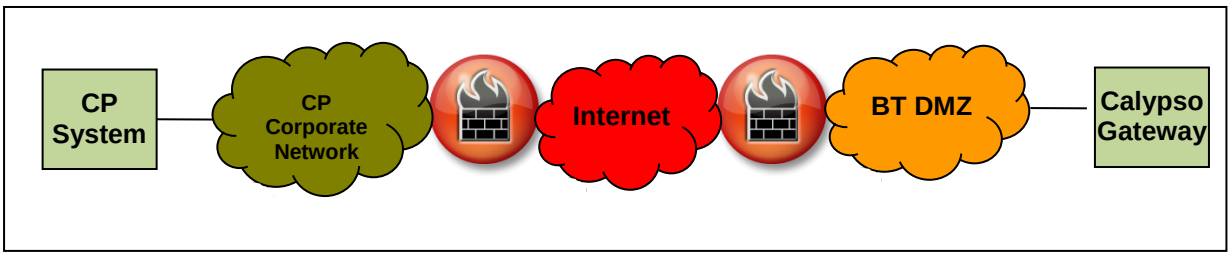
CPs should use an FTPS client to pass data securely to Calypso. Please note that FTPS is different to SFTP. SFTP is not compatible with Calypso and therefore cannot be used.

Once CP files have been transferred to Calypso they will be moved into BT's internal network for processing. Acknowledgement files will then be sent back to Calypso for retrieval by CP's at their convenience.

This mechanism replaces the Telesto service which has now been decommissioned.

A test Calypso server is available to allow CPs to test their software.

A high level diagram of Calypso is shown below.



A full description of the Calypso Engagement procedure is documented in Ref [6].

BT customer data originating from within the BT corporate network will not use Calypso; instead an identical green side solution is available. Further information on this route is available from the principle EFF contact as specified on the title page of this document.

3. EFF Files

The EFF interface uses four files.

INPUT (.DAT) FILE	Used to send 999 name and address data to the Trinity 999 Platform. The format for .DAT files is shown in section 5(Input File Format).
CONFIRMATION OF FILE RECEIPT (.FCO) FILE	Produced automatically by the file transfer system as acknowledgement of receipt/rejection of an entire Input file. The format for .FCO files is described in section 6 (FCO File Format)
CONFIRMATION/ REJECT (.CAR) FILE	CAR files are produced after each update run of the Trinity system (currently 5 per day). These detail whether each 999 record sent by a specific CP has been accepted or rejected. Rejected records will also provide details of the reason for rejection. The file will contain rejects arising from data quality checks (Refer to Section 4.2 for details of this process). The file will also contain any Import or Export records awaiting adoption by or export to the CP concerned and any records that the Data Delivery team have had to manually re-try. These files will conform to the format specified in Section **Error! Reference source not found.**.
AUDIT (.AUD) FILE	These files are produced by request only and are an extract of all data on the Trinity 999 Platform sourced from a specific CP. The format for the .AUD files are shown in section 8.

3.1. High Level File Specifications

The format of all files (Excluding .FCO File – See Section 5.6) must satisfy the following requirements:

1. ASCII, flat file format must be used.
2. File suffixes MUST be in upper case.
3. Each file will contain a Header Record at the top of each file.
4. Each record will be of a fixed length.
5. Each record will be separated by an end of line marker.
   Note that files sent to the Trinity 999 platform can either be in Unix (Line feed) or DOS (Carriage Return/Line Feed) format. Files returned from the Trinity 999 platform will be generated with a LF end of line but this may be converted to DOS format by the FTPS client chosen by the CP.
6. Every Field within each Record will be of a fixed length and must be padded to complete field length.
7. Unless otherwise defined in the field description, Mandatory numeric fields should be padded out with leading zeros to the left.
   Unless otherwise defined in the field description, Alpha and mandatory Alpha/Numeric fields must be padded out with spaces to the right. Where optional fields are not populated the field should be padded out using spaces only.
8. Trailer records are not used.

NOTE: 'Spare Fields' must be populated with spaces.

3.2. File Records (Excluding .FCO File)

A description of all fields contained within the various record types including details of field length and whether Numeric or Alpha/Numeric is given in Section 5 for DAT files, Section 6 for FCO files, Section 7 for CAR files and Section 8 for Audit files.

3.3. Capitalisation within a file

It is preferred if CPs send records with mixed case letters, (except when appropriate e.g. HSBC Bank).

4. Data Processing Overview

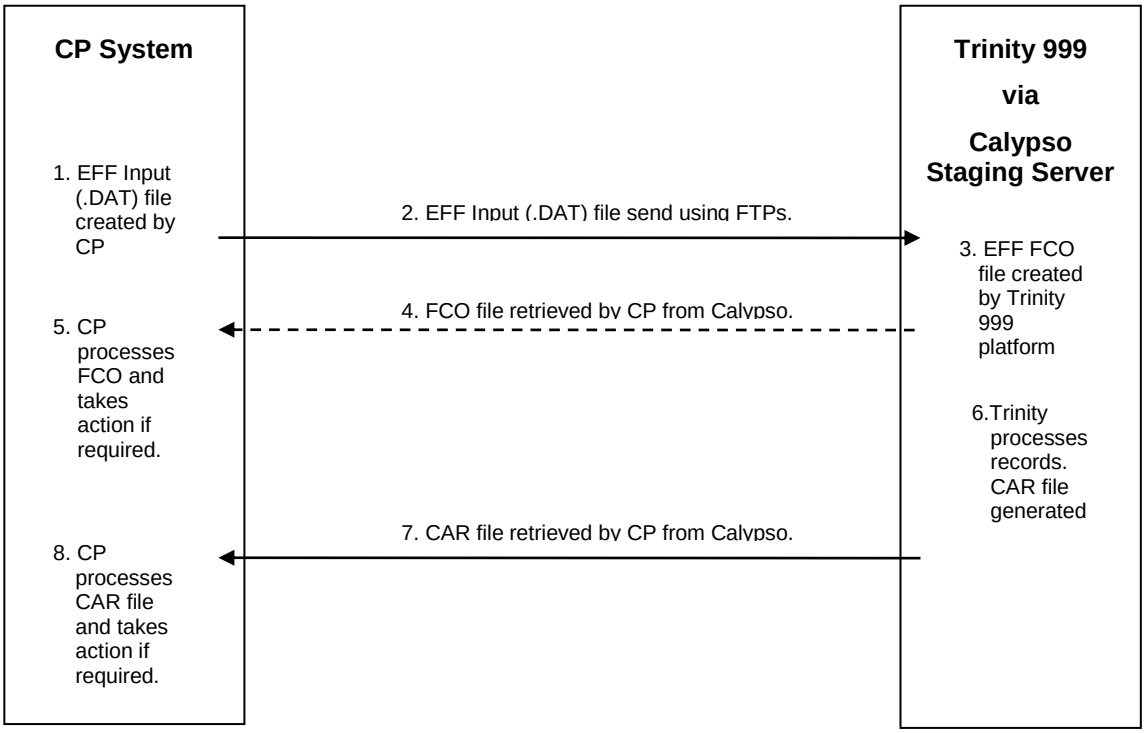
4.1. Data Processing Flow Diagrams.

The diagram below shows a typical sequence of events when files are passed between the CP and BT and the table below the diagram explains the steps being taken at each stage.

It should be noted that there is no direct mapping between DAT files and CAR files. DAT files are processed 5 times per day and that DAT file processing is followed by a CAR file generation process. The CAR file generated will include records processed from the last DAT run as well as suspended records that have met their effective date and porting reminder messages.

CP's should only send records for CLI's that do not have outstanding acknowledgements pending. Should the CP need to send an update while a record is pending they should first cancel the original record. Records sent while there is another record pending for the same CLI will result in both records being rejected.

Similarly batch files should not contain more than one record for a particular CLI. Should more than one record be received both will be rejected.



No.	Action	Full Description
1.	Create Input File	The CP generates an input (.DAT) file consisting of all records that have changed. This data is assembled into the input file and uses installation addresses and end user customer names (person resident at address or business name above the door).
2.	Send Input File	The file is transferred across the internet in an encrypted state using FTPs to the Calypso staging server. Internal BT transfers should be made using XFB direct to the Trinity platform.
3	FCO File Created	The input file (as opposed to the records in the file) goes through a number of checks and an FCO file is created and placed on the Calypso staging server.

4	The CP collects the FCO file	The CP transfers the FCO file, again using FTPs from the Calypso staging server.
5	The CP processes the FCO file.	If the .DAT file has been rejected the CP must amend and resubmit the entire file. A rejected FCO files does not increment the .DAT run number therefore the resubmitted .DAT file should have the same run number as the rejected .DAT file.
6	Trinity Processing	Assuming the file passed FCO checks then the Trinity 999 platform processes the records within the input file. A CAR file is generated showing the status of processed records. Additional records are added to the file for any records that were pending if the effective date has been reached and additional records are added should Trinity be waiting for any porting messages. The CAR file is then placed on Calypso ready for uplift by the CP.
7	The CP collects the CAR file.	The CP transfers the CAR file from the Calypso staging server.
8	CAR File processed by CP	The CAR file is processed by the CP. Any failures are corrected and resubmitted in the next input (.DAT) file.

4.2. File Validation

Upon receipt of an Input File, the Trinity 999 platform will perform the following checks on data contained in the file:

1. Check that a Header Record, in the correct format, exists at the top of the file (i.e. all mandatory fields must be populated with valid data).

2. Check that the CUPID identified in the header is registered with the Trinity 999 Platform. The whole file will be rejected if the CUPID identified in the header is not registered.

3. Check the Record count (in the Header Record) is equal to the number of records in the file, including the Header record itself.

4. Check the 'Run Number' in the Header Record of the file is one greater than the 'Run Number' of the last Input file with the same Sending CP Identifier. If the 'Run Number' is not one greater, the file will be rejected. The options are then a) For the CP to correct the run number and resubmit the file or b) The CP to send the files with missing run number(s) and resubmit the original file.

If a file fails any of the above checks it will be rejected (in its entirety) back to the sending CP

5. Check that all records have a CP identifier (CUPID). (CPs will only be allowed to change records within their own franchise(s). Records will be rejected where they do not belong to the CP sending the data input.

   Individual records failing this check will be rejected back to the sending CP as part of the subsequent CAR file.

Data vets applied against all records are detailed in section 9.

5. Input (.DAT) File.

This section gives a detailed description of the input (.DAT) file that CPs generate and send to the Trinity 999 platform. An input file consists of a single header line at the top of the file followed by the data records. There is one data record per line.

5.1. DAT File Naming Convention

The file name field length can be a maximum of 14 characters (excluding the .DAT). The first six characters are mandatory: BT1 followed by the sending CPs 3 digit CUPID. The other characters should be populated by the CP to create a unique filename of their choice, e.g. the date, followed by a 2 digit run number for the day – the format can be DDMMYYNN.

The file name must have a ".DAT" extension.

An example of a filename for Magrathea (CUPID 102):

BT110222110801.DAT

Naming conventions for test DAT files must be agreed with the Migration / Support manager prior to commencement of Testing.

Filenames should be unique and a specific filename should only be used a second time in the event that the original file was rejected in its entirety. If a file is successfully processed but an identically named file then subsequently received then this file will be rejected with a "Feed file previously received and not rejected" error in the response FCO file.

5.2. DAT File Header Record Description

The table below gives a description of each field present in the header record. The header record must be on the first line of the file.

FIELD NAME	TYPE	SIZE (bytes)	DESCRIPTION
RECORD TYPE	N	1	Identifies record type. 0 = header record
FILE VERSION NO	N	3	Version number of the file – to cater for occasions when the file format has to be changed and the CP community are unable to convert to producing data in the new format at the same time. The versions should be set as follows. All files complying with SFF and EFF prior V2.0 should set this value to 001 All files complying with EFF version 2.0 should set this value to 002.
SENDING CP IDENTIFIER (CUPID)	N	6	Identifies the CP originating the file.
RECORD COUNT	N	8	Count of records in the file including header.
RUN NUMBER	N	8	A sequential number to identify the file. CP can specify the first run number as they wish to use anything greater than zero. This field is mandatory for auditing purposes. Note that the run number does not need to correlate in any way with the run number used in the file name.
HEADER DATE	N	8	Date that the file was submitted to the Trinity 999 platform by either the CP or BT in the format YYYYMMDD.
HEADER TIME	AN	8	Time that the file was submitted to the Trinity 999 platform by either the CP or BT in the format HH:MM:SS
CP FILE ID	AN	32	Name of the file placed on the Trinity File Transfer platform by the CP.

5.3. DAT File Header Record Format.

All fields in the header record are mandatory.

The header line data is fixed length and must be 74 bytes of data followed by an end of line marker.

INPUT FILE FORMAT HEADER RECORD		FIELD SIZE	FIELD TYPE N = Numeric A= Alpha	FIELD START POSITION
1	RECORD TYPE (0 to indicate header)	1	N	1
2	FILE VERSION NO	3	N	2
3	SENDING CP IDENTIFIER	6	N	5
4	RECORD COUNT	8	N	11
5	RUN NUMBER	8	N	19
6	HEADER DATE	8	N	27
7	HEADER TIME	8	AN	35
8	CP FILE ID	32	AN	43

5.4. DAT File Record Description

The data records follow the header record, starting at line 2 of the file. Each data record in the file represents the state of a single phone number. CP's must only send a single record for a CLI in a batch file, even if they have different effective dates. CP's should also wait for a successful acknowledgement before sending any other updates for a particular CLI, with exception of the K (cancel) command. Should more than one record be received for the same CLI before a successful acknowledgement is returned then all pending records for that CLI will be rejected.

The "100 Data" column indicates a field used for 100 call handling. These fields are for BT use only, non BT CP's should leave these fields padded with spaces.

The data record is fixed length and must be 1357 bytes of data followed by an end of line marker.

FIELD NAME	TYPE	SIZE	100 Data	DESCRIPTION
RECORD TYPE	N	1		Identifies record type. 1 = data record
CP IDENTIFIER	N	6		A three digit Identifier for the CP owning the entry. Commonly referred to as CUPID. This field needs to be padded with zeros. Example CUPID 025 would be shown as 000025.
CP TRANSACTION ID REFERENCE NUMBER	AN	20		This is a transaction ID code assigned to the entry by the CP (where the information was sent via batch file) and returned in Confirmation/Reject records. This identifier should be unique for all records (except in the case of a "K" command as discussed below). Records being sent with the same identifier may be rejected.
SOURCE DATA SYSTEM	AN	8		This field is available for the CP to identify the CP-owned database that the customer data is mastered on. It can be used when an intermediary system is used to collect data from a number of systems before sending to the Trinity 999 platform so that records in corresponding CAR files can be correctly routed back to the source database. Please note values in this field should be registered with the 999 team to avoid accidental duplication.
SYSTEM ROUTING FLAGS	A	10		A series of 10 1-byte flags to indicate to which BT system a record in an Input file is to be sent. Values are Y (send) or N (do not send). Flag 1 is to be used for Trinity Database (999); flag 2 is to be used for OSIS (Number Information). Flags 3 – 10 are currently spare. The Trinity File Transfer platform will only process records showing a Y in Flag 1.
COMMAND	A	1		Commands are used by the Trinity Database to determine what action to take upon receipt. 'A' Activate Customer 'C' Cease Customer 'E' Export Number porting to another CP 'I' Import – CP adopting a ported number 'K' Cancel an advanced order that has not yet reached its Effective Date. The kill command must be sent with a CP TRANSACTION ID REFERENCE NUMBER that matches the advanced record to be cancelled. 'M' Modify customer details 'P' Inform Trinity Database of a new Postcode that is about to be used 'R' Renumber
EFFECTIVE DATE	N	8		Date on which the command associated with the record is to be executed. Format used must be YYYYMMDD

FIELD NAME	TYPE	SIZE	100 Data	DESCRIPTION
				where YYYY = Year, MM = Month in the range 1 to 12. DD = Day in range 1 to 31. The effective date is used to determine when the customer details are to be used when dealing with 999 calls, It is the CP's responsibility to ensure that effective dates are consistent and that old data is not sent through to the BT 999 platform as no consistency checking of the effective date is performed by BT. If the CP sends though old data with an old effective date this will be accepted even if it overwrites a more recent piece of data. Similarly this should be considered with records dated too far in the future. TDM will not hold more than one pending record but will apply records with an immediate effective date when a record is held awaiting a future effective date.
SERVICE	A	1		Determines the service the record data is to be used for. Possible values for this field are: 'E' for Emergency 'B' for Both Emergency and Operator Services. Should this field be blank then Emergency only will be assumed. On ceasing a record, if this field is set to 'B' then a record showing only that the line is ceased will be kept for 100 purposes. If the field is blank or is set to 'E' then on cease the record will be removed entirely from the 100 system. **Note that non BT CP's should either leave this field blank or populate it with an "E".**
LINE_STATUS	A	1	✓	**Note this field is for BT use only.** Line Status is a parameter that allows a more granular description than can be derived from the command attribute alone. The values that Line Status can take are: 'C' Ceased 'K' Retained 'S' Spare 'T' Stopped 'U' Spare Unavailable 'W' Working There is a relationship between the command and the line status, please refer to Section 5.4.3 for permitted combinations.
PBX LINE TYPE	A	1	✓	**Note this field is for BT use only.** PBX LineType can have one of the following values '0' indicates the record is not for a PBX. '5' indicates the record is for the Main line of the PBX. '6' indicates the record is for an extension line of the PBX. '7' indicates the record is a FeatureNet number on a VPS exchange, If the record is for an extension number then the CROSS_REFERENCE_NUMBER field must contain the associated MAIN number.
INSTALLATION CLASS	N	2	✓	**Note this field is for BT use only.** The installation class gives additional information about the nature of the installation. Possible values are shown in section 5.4.2.
ICB	A	1	✓	**Note this field is for BT use only.** ICB=Incoming Calls Barred. Indicates whether the line can receive incoming calls. Permitted values 'Y' or 'N',

FIELD NAME	TYPE	SIZE	100 Data	DESCRIPTION
OCB	A	1	✓	**Note this field is for BT use only.** OCB=Outgoing Calls Barred. Indicates whether calls (other than those to 100 or 999) can be made from the line.. Permitted values 'Y' or 'N'.
CPS INDICATOR	A	1	✓	**Note this field is for BT use only.** CPS=Carrier Pre-Select. Indicates whether the line has a CPS facility active on it. Permitted values are: ' ' (blank space) – No CPS N – National Calls Only. I – International Calls Only B – Both National and International A – Local, National and International.
CALL SIGN	A	1	✓	**Note this field is for BT use only.** Call Sign indicator. Indicates whether the number has a CallSign facility active on it. Permitted values are 'Y' or 'N'.
CNI	A	1	✓	**Note this field is for BT use only.** CNI =Changed Number Interception. Indicates whether the line has a CNI facility active on it. Permitted values 'Y' or 'N'.
DPRCB	A	1	✓	**Note this field is for BT use only.** DPRCB = Differential Premium Rate Call Barring. Indicates whether the line has a DPRCB facility active on it. Permitted values 'Y' or 'N'.
NSI	A	1		**Note this field is for BT OpenReach use only for WLR information.** Name Source Indicator. This maps to the existing CSS Name source indicator field and should be regarded as a temporary field.
WLR Version	AN	1	✓	**Note this field is for BT OpenReach use only for WLR information.** Wholesale Line Rental Version. This field if for use by BT OpenReach WLR products only, other CP's should leave this field blank. This field is used to communicate whether the record is a WLR2, WLR3 or non WLR line. Values are: 2 – WLR2 3 – WLR 3 ' '(blank space) – Not a WLR product.
TOS	A	1	✓	**Note this field is for BT use only.** TOS=Temporary Out of Service. Indicates that the line is live but incoming and outgoing call service has been suspended. Permitted values 'Y' or 'N'.
TOS/B	A	1	✓	**Note this field is for BT use only.** TOS=Temporary Out of Service for billing reasons. Indicates that the line is live but incoming and outgoing call service has been suspended. Permitted values 'Y' or 'N'.
TOS/S	A	1	✓	**Note this field is for BT use only.** TOS=Temporary Out of Service at customers request. Indicates that the line is live but incoming and outgoing call service has been suspended. Permitted values 'Y' or 'N'.
OUTGOING CALLS BARRED BILLING	A	1	✓	**Note this field is for BT use only.** Indicates that the line has been barred from making outgoing calls for debt management reasons. Permitted values 'Y' or 'N'.
PRCB	A	1	✓	**Note this field is for BT use only.** PRCB = PREMIUM RATE CALL BARRING. Indicates whether the line has a PRCB facility active on it. Permitted values 'Y' or 'N'.
ANONYMOUS CALL REJECT	A	1	✓	**Note this field is for BT use only.** Indicates that the line has the Anonymous Call Reject facility active on it so that calls made to the line where the CLI is suppressed will be automatically rejected. Permitted values 'Y' or 'N'. Default value is 'N'.

FIELD NAME	TYPE	SIZE	100 Data	DESCRIPTION
MOBILE CALL BARRING	A	1	✓	**Note this field is for BT use only.** Indicates that calls to mobiles cannot be made from the line. Permitted values 'Y' or 'N'. Default value is 'N'.
RETAILER IDENTIFIER	AN	4		An identifier allocated by the CP and used when the CP does not own the customer. The identifier will typically represent a retailer or third party. **This value is used for 999 purposes and must be populated if appropriate.**
TITLE	A	20		Mr, Mrs, Miss, etc. Titles that disclose gender are preferred by the emergency authorities, particularly some Police forces.
INITIALS / FORENAME	A	20		Data that will be placed after the title field in the entry. If more than one initial is included, these MUST be separated by a full stop e.g. D.R.A Smith
NAME	AN	50		Surname or business name for entry. Business names should be chosen that best allow the Emergency Services to identify the business, typically the name over the door rather than a holding company name should be used.
BUSINESS SUFFIX	AN	50		Addition to business name (e.g. '& Son', 'Ltd', 'plc,) A brief description can also be used that describes the function of the business. For example "Hospital", "Hotel", "Petro Chemical Plant", "Fuel Storage Depot" will give valuable extra information to the emergency services.
LINE_TYPE	AN	30		Used to describe the product the record refers to, or alternatively the technology used. Standard options for the population of this field are EXT, DDI, FNET, or VOIP, although other products can be built onto the system on request. **This product information is used by the 999 systems to highlight to the BT operator and the Emergency Services that, due to the nature of the product, the address given in the record may not accurately reflect the actual location of the caller. This is therefore an important piece of information and should be considered mandatory if applicable.**
PREMISES	AN	60		Identifies premises on a thoroughfare i.e. house name and/or number. Examples " 24", "Bleak House". **Although this field is optional CPs should send a complete and accurate address. If this field is not populated then full use must be made of other address fields.**
THOROUGHFARE	AN	55		The thoroughfare name and type Examples: Byron Close, Suffolk Lane, and High Street. **Although this field is optional CPs should send a complete and accurate address. If this field is not populated then full use must be made of other address fields.**
LOCALITY	AN	30		Village or an area within a town **and** Town if possible. **Although this field is optional CPs should send a complete and accurate address. If this field is not populated then full use must be made of other address fields.**
POST CODE	AN	9		The full current postcode for the address as recognised by the Royal Mail's PAF database. This must be sent in the format of Out-code space In-code i.e.: LS11 5DF, S9 5AD, S60 3ML. This field is 9 characters to allow for additional characters in the future. The field will be truncated to 8 and only return 8 in the Confirmation/ Rejection and Audit files. The field should be padded with the necessary number of trailing spaces. **This field is essential for 999 call handling as it is used by both BT to route the call to the correct emergency authority and by the emergency authorities to navigate to the emergency incident. This field is therefore mandatory for all 999 records and CPs should make every effort to ensure that the provided post code is full and accurate.**
ADDRESS_ID	AN	12		The Address identifier is any unique address identifier the CP may want to send that will aid processing of data or processing of the call. This field is principally targeted for use of the Unique Property Reference Number (UPRN). A UPRN is a government initiative to allocate a unique identifier to every property in the UK. If UPRN is not available CPs can use this as a reference to their own address systems, for example BT NAD.

FIELD NAME	TYPE	SIZE	100 Data	DESCRIPTION
ADDRESS_ID_SOURCE	AN	1		Used to communicate the source of the ADDRESS_ID. If ADDRESS_ID is populated then this field is mandatory. U = UPRN. Other identifiers will be allocated by the BT 999 Application Support team on a case by case basis. N = BT Openreach NAD R = BT Rest of BT (RoBT) NAD This value is dependant on the CUPID with the exception of U as this is a universal address identifier.
TELEPHONE NUMBER	N[1]	15		Telephone number to be assigned to the entry. **Note that this field should be left justified and padded with spaces and not zeros. Some CP's store CLI's without the leading zero, however CLI's passed in this fields should have a single leading zero.**
NEW TELEPHONE NUMBER	N[1]	15		Contains the new telephone number to be applied to an entry with the renumber command. **Note that this field should be left justified and padded with spaces and not zeros. Some CP's store CLI's without the leading zero, however CLI's passed in this fields should have a single leading zero.**
CROSS REFERENCE NUMBER	N[1]	15	✓	**Note this field is for BT use only.** Contains any cross referenced number, typically the MAIN number associated with a DDI extension. **Note that this field should be left justified and padded with spaces and not zeros. Some CP's store CLI's without the leading zero, however CLI's passed in this fields should have a single leading zero.**
CP IDENTIFIER (EXPORT/IMPORT)	N	6		Identifies the cupid of the gaining or losing CP ('E' & 'I' commands for TDM/999 records).

[1] Although this field is numeric it should be left justified and padded with spaces to the right rather than zero's.

5.4.1 Renumbers.

The purpose of the Renumber command is to simply change the CLI of a record. The following rule set will be followed when a renumber is received from a CP.

If the old number does not exist then the renumber will be rejected and an error code 13 (Telephone number missing) returned to the CP.

If the new number does not exist on the 999 systems but falls within a number range owned by the CP then:

- The old record will be given the new number.
- The old number will be marked as ceased and, if not in the CP's number range, returned to the range holder.
- A "Renumber Successful" error code (40) will be returned to the CP.

If the new number does not exist on BT's 999 systems and does not fall within a number range owned by the CP then:

- The renumber will fail with an error code of 28 (Renumber in invalid range). No records will change.

If the new number exists on BT's 999 systems and the record is owned by the CP then:

- The details of the existing record will be overwritten with the details of the old record (except the CLI).
- A success error code (40) will be returned to the CP.
- The old record will be ceased and, if not in the CP's number range, returned to the range holder.

If the new number exists on BT's 999 systems but is owned by another CP then:

- The renumber will be rejected with error code 18 (CP does not own record).

5.4.2 Installation Class - BT Use Only.

The installation class field holds a 2 digit code giving additional information about the nature of the line. Possible values are shown below.

Installation Class	OAWS Display
00	S/S ORB
01	ORD
02	PBX
03	ORB
04	CBB
05	PPB
06	ORB
07	PCDB
10	S/S ORD
11	ORD
12	MULTR
13	ROF
14	CBR
15	PPR
16	NOT BUILT
17	PCDR
21	SVL
22	SVL
23	TEST
31	CCB

32	PPP
33	PPP
41	PCD
42	CC
43	NOT BUILT
44	NOT BUILT
51	NOT BUILT
99	NOT BUILT

Note it is the sending data systems responsibility to ensure that this value, if set, is compatible with other fields, for example LINE_TYPE.

5.4.3 Line Status and Command Fields – BT Use Only.

The command and line status fields in a record are related. Only certain line states are permitted for certain commands, for example it is invalid to use a Cease command in a record with a working line state.

The permitted mappings are shown below.

Command	Permitted Line Status Values
'A' Activate Customer	'W' – Working
	'T' – Stopped
	'D' – Soft Dial Tone.
'C' Cease Customer	'C' – Ceased
	'S' – Spare
	'U' – Spare Unavailable
	'K' - Retained
'E' Export	'U' – Spare Unavailable
'I' Import	'W' – Working
	'T' – Stopped.
'M' Modify	'W' – Working.
	'T' – Stopped.
	'D' – Soft Dial Tone.
'P' Postcode	N/A
'R' Renumber	N/A
'K' Cancel	N/A

5.4.4 Facility Fields Values - BT Use Only.

Facility fields are pieces of information previously sent to the BT 999 platform from CSS. CSS was limited to only four facilities per record. The EFF feed has been modified to pass these markers as Boolean 'Y' or 'N' values. The list of fields below will be mapped to facilities on Trinity. Due to the limitations of downstream systems no more than four of the following fields should be set.

PBX Line Type of DDI (MAIN)
OCB/B
TOS, TOS/B, TOS/S
PRCB
ACR
MCB
DPRCB
CALL SIGN
CNI

Should more than four of these fields be set in the EFF interface then the TDM facilities will be set in the priority order of the list above.

5.4.4.1 CNI (Call Number Intercept) and Caller Redirect.

CNI and Caller Redirect (C/R) are essentially the same facility implemented in different ways. Each provides a recorded message when a telephone number is called informing the caller of a new number

that should be dialled. CNI and CR are treated in EFF as being synonymous and both share the CNI facility in the interface.

CNI/CR numbers are virtual and incapable of making outgoing calls , including 999/112. CNI/CR numbers are not associated with a physical installation and should therefore be registered against their service providers name and the address of the local exchange.

When registering a CNI/CR record on EFF the Cross Reference Number field should contain the number the caller is redirected to.

5.5. DAT Record Format

Note: The overall length of a data record contained in an EFF Input (.DAT) file should be 1357 bytes, followed by an end of line.

INPUT FILE FORMAT		FIELD SIZE	FIELD TYPE	FIELD START POSITION	VALUE OF THE COMMAND FIELD							
No.	**DATA RECORD**				**A**	**C**	**E**	**I**	**K**	**M**	**P**	**R**
1.	RECORD TYPE	1	N	1	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***M***
2.	SPARE FIELD	10		2								
3.	CP IDENTIFIER (CUPID)	6	N	12	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***M***
4.	SPARE FIELD	20		18								
5.	CP TRANSACTION ID REF. NO	20	AN	38	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***M***
6.	SPARE	8		58								
7.	SYSTEM ROUTING FLAGS	10	A	66	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***M***
8.	SPARE FIELD	80		76								
9.	COMMAND	1	A	156	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***M***
10.	EFFECTIVE DATE	8	N	157	***M***	***M***	***M***	***M***		***M***		***M***
11.	SERVICE	1	A	165	***O***	***O***		***O***		***O***		
12.	LINE STATUS	1	A	166	***O***	***O***	***O***	***O***		***O***		
13.	PBX LINE TYPE	1	N	167	***O***			***O***		***O***		
14.	INSTALLATION CLASS	2	N	168	***O***			***O***		***O***		
15.	ICB	1	A	170	***O***			***O***		***O***		
16.	OCB	1	A	171	***O***			***O***		***O***		
17.	CPS INDICATOR	1	A	172	***O***			***O***		***O***		
18.	CALL SIGN	1	A	173	***O***			***O***		***O***		
19.	CNI	1	A	174	***O***			***O***		***O***		
20.	DPRCB	1	A	175	***O***			***O***		***O***		
21.	NSI	1	A	176	***O***			***O***		***O***		
22.	WLR Version	1	N	177	***O***			***O***		***O***		

KEY	***M*** = Mandatory	***O*** = Optional	☐ = Not Applicable	**BT only Fields are in Green**
	A = Activate Customer	**C** = Cease	**E** = Export	I = Import
	M = Modify	**P** = Inform BT Retail of a Post Code	**R** = Renumber	**K** = Cancel (Advanced Orders)

INPUT FILE FORMAT		FIELD SIZE	FIELD TYPE	FIELD START POSITION	VALUE OF THE COMMAND FIELD							
No.	**DATA RECORD**				**A**	**C**	**E**	**I**	**K**	**M**	**P**	**R**
23.	Spare	1		178								
24.	TOS	1	A	179	***O***			***O***		***O***		
25.	TOS/B	1	A	180	***O***			***O***		***O***		
26.	TOS/S	1	A	181	***O***			***O***		***O***		
27.	OUTGOING CALLS BARRED BILLING	1	A	182	***O***			***O***		***O***		
28.	PREMIUM RATE CALL BARRING	1	A	183	***O***			***O***		***O***		
29.	ANONYMOUS CALL REJECT	1	A	184	***O***			***O***		***O***		
30.	MOBILE CALL BARRING	1	A	185	***O***			***O***		***O***		
31.	RETAILER IDENTIFIER	4	AN	186	***O***			***O***		***O***		
32.	SPARE FIELD	5		190								
33.	TITLE	20	AN	195	***O***			***O***		***O***		
34.	INITIALS / FORENAME	20	AN	215	***O***			***O***		***O***		
35.	NAME	50	AN	235	***M***			***M***		***M***		
36.	HONOURS	30	AN	285	***O***			***O***		***O***		
37.	BUSINESS SUFFIX	50	AN	315	***O***			***O***		***O***		
38.	SPARE FIELD	50		365								
39.	LINE TYPE (PRODUCT)	30	AN	415	***O***			***O***		***O***		
40.	PREMISES[2]	60	AN	445	***O***			***O***		***O***		
41.	THOROUGHFARE[2]	55	AN	505	***O***			***O***		***O***		
42.	LOCALITY[2]	30	AN	560	***O***			***O***		***O***		
43.	SPARE FIELD	70		590								

[2] It should be noted that even though the Premises, Thoroughfare and Locality fields are optional that all CP's must provide accurate and complete addresses in these fields. Failure to provide full and accurate information to BT will delay the Emergency Services response to emergency situations.

KEY	***M*** = Mandatory	***O*** = Optional	☐ = Not Applicable	**BT only Fields are in Green**
	A = Activate Customer	**C** = Cease	**E** = Export	I = Import
	M = Modify	**P** = Inform BT Retail of a Post Code	**R** = Renumber	**K** = Cancel (Advanced Orders)

INPUT FILE FORMAT		FIELD SIZE	FIELD TYPE	FIELD START POSITION	VALUE OF THE COMMAND FIELD							
No.	**DATA RECORD**				**A**	**C**	**E**	**I**	**K**	**M**	**P**	**R**
44.	POSTCODE	9	AN	660	***M***		***M***	***M***		***M***	***M***	
45.	ADDRESS_ID	12	AN	669	***O***		***O***	***O***		***O***		
46.	SOURCE DATA SYSTEM	8	AN	681	***O***	***O***	***O***	***O***	***O***	***O***	***O***	***O***
47.	ADDRESS_ID_SOURCE	1	AN	689	***O***		***O***	***O***		***O***		
48.	SPARE FIELD	29		690								
49.	TELEPHONE NUMBER	15	N	719	***M***	***M***	***M***	***M***	***M***	***M***		***M***
50.	NEW TELEPHONE NUMBER	15	N	734								***M***
51.	SPARE FIELD	15		749								
52.	CROSS REFERENCE NUMBER	15	N	764	***O***			***O***		***O***		
53.	SPARE FIELD	75		779								
54.	CP IDENTIFIER (EXPORT/IMPORT)	6	N	854			***M***	***M***				
55.	SPARE FIELD	498		860								

On ceasing a BT line the service field should be used to determine if the record should be kept as ceased on the 100 service system (service = “B”) or if the record should be completely deleted (service = “E”). Ceased records are always kept on 999 with a reference to the owning CUPID.

KEY	***M*** = Mandatory	***O*** = Optional	☐ = Not Applicable	**BT only Fields are in Green**
	A = Activate Customer	**C** = Cease	**E** = Export	I = Import
	M = Modify	**P** = Inform BT Retail of a Post Code	**R** = Renumber	**K** = Cancel (Advanced Orders)

5.6. DAT File Examples.

The examples below are of DAT files, one is correctly formatted and the other has errors.

badexampleBT1888 0002004.DAT (4...

exampleBT1888020 50701.DAT (33 ...

6. Confirmation of File Receipt (.FCO) File.

The FCO file contains a summary of the data in the input file.

The FCO file will be generated using Unix formatted end of lines but this may be converted by the CPs file transfer mechanism.

6.1. FCO File Naming Convention

The FCO file is sent from the Trinity 999 Platform to the CP to confirm receipt or rejection of an Input file and give a summary of records to be processed. This file is produced before individual records are processed onto the Trinity 999 Platform. Trinity simply replaces the .DAT extension with .FCO to produce the FCO filename. Confirmation of File Receipt for the Magrathea input file example would therefore be:

BT110222110801.FCO

6.2. Confirmation of File Receipt (.FCO) File Examples

The example shown below is for an accepted .DAT file containing one record, where NNN = cupid and XXXXXX = run number.

```
TELESTO System has started to process file: BT1NNN10021098.DAT
Run number XXXXXX  on date 10-Feb-2010 at time 11:10:44
File Statistics:
    Number of Blank lines in file = 0
    Number of Header records in file = 1
    Bad orders - size = 0
    Number of fields = 8
    Unknown LO code = 0
    Total number of records rejected = 27
    Total number of records successful = 1186

New    Amend   Cease   Reno    Import  Export  Kill    PCode   Other
293    301     5       0       413     174     0       0       0

11:18:53 - finished processing file

TELESTO System finished processing file: BT1NNN10021098.DAT
```

The example shown below is for a rejected

.DAT file with a “Read Error”, where NNN = lopid and XXXXX = run number. A Read error can be received if a file is sent in Binary instead of ASCII.

```
TELESTO System has started to process file: BT1NNN291002.DAT

Run number XXXXX on date 10-Feb-2010 at time 15:58:46

File Statistics:

File BT1NNN291002.DAT rejected due to Invalid Run Number: 263 in header record in
file BT1025291002.DAT Previous Run Number 263.


15:58:46 - finished processing file


TELESTO System finished processing file: BT1NNN291002.DAT
```

In the event that the .DAT file is rejected in its entirety CP's should note that no records are processed from the rejected file and they should ensure that all records are submitted to BT in a subsequent file.

7. Confirmation And Rejection (CAR) File.

This section gives a detailed description of the Confirmation and Rejection (.CAR) file that the Trinity 999 platform generates. The CAR file consists of a single header record followed by data records.

CAR files are produced in Unix format but may be converted by the CPs file transport client software.

7.1. CAR File Naming Convention

The CAR file is sent from the Trinity 999 Platform to the CP.

The CAR file name is structured as follows:

BT1***<CUP><DDMMYY><NN>***.CAR

where:

CUP is the three numeric CUPID of the CP.
DDMMYY is the date and time in numeric form
where:
DD is the date of the month in the range 1 to 31.
MM is the month, in the range 1 to 12
YY is the year
NN is a 2 digit run number, reset to 01 at the start of each day, therefore in the range of 01 to 05 as there are 5 processing runs per day.

The filename extension will be ".CAR". An example of a CAR file produced for Magrathea on 22nd November 2008 in the first of the day's batch run would be –

BT110222110801.CAR

7.2. CAR File Header Record Description.

The table below gives a description of each field present in the header record. The header record must be on the first line of the file.

The overall length of a header record contained in a CAR file will be 40 bytes followed by and end of line character

CONFIRMATION/REJECT HEADER RECORD		FIELD SIZE	FIELD TYPE	DESCRIPTION
1	RECORD TYPE	1	N	Identifies record type. 0 = header record
2	FILE TYPE	1	A	Identifies File type. C = CAR file
3	RECEIVING CP IDENTIFIER	6	N	Identifies the CP that the CAR file is intended for.
4	RECORD COUNT	8	N	The number of records in the file including the header.
5	RUN NUMBER	8	N	The run number within the CAR file does not relate in any way to the run number in the file name. The header run number will increment with every new CAR file generated for the CP.
6	HEADER DATE	8	N	Date that the file was created in the format YYYYMMDD. Where YYYY = Year; MM = Month in range 01 to 12 DD = Day in range 01 to 31.
7	HEADER TIME	8	AN	Time that the file was created in the format HH:MM:SS where HH = Hour of day in range 00 to 23. MM = Minute of hour in range 00 to 59. SS = Seconds in range 00 to 59

7.3. CAR File Header Record Format.

The header record will be in the first line of the header record. All fields are mandatory.

CONFIRMATION/REJECT HEADER RECORD	FIELD SIZE	FIELD TYPE	FIELD START POSITION.
RECORD TYPE	1	N	1
FILE TYPE	1	A	2
RECEIVING CP IDENTIFIER	6	N	3
RECORD COUNT	8	N	9
RUN NUMBER	8	N	17
HEADER DATE	8	N	25
HEADER TIME	8	AN	33

7.4. CAR Data Record Description

The table below gives a description of each field present in the data record.

A CAR file data record is a fixed length of 273 bytes of data followed by an end of line character.

CONFIRMATION/REJECT HEADER RECORD		FIELD SIZE	FIELD TYPE	DESCRIPTION
1	RECORD TYPE	1	N	Identifies record type. 1 = data record
2	ORIGINATING SYSTEM	10	AN	The system that created the file, in this case the value “EDB” will always be present.
3	CP IDENTIFIER	6	N	The CUPID of the record sent in the original DAT file.
5	CP TRANSACTION ID. REF NO.	20	AN	The CP TRANSACTION ID REF NO of the record sent in the original DAT file. (Note Section 7.4.1)
6	SOURCE DATA SYSTEM	8	AN	The SOURCE DATA SYSTEM of the record sent in the original DAT file. (Note Section 0)
7	TELEPHONE NUMBER	15	N	The TELEPHONE NUMBER of the record sent in the original DAT file. Left justified, padded with spaces.
9	POST CODE	9	AN	The POST CODE of the record sent in the original DAT file
10	CONFIRMATION/REJECT CODE	4	N	The error code generated by the Trinity 999 Platform when it processed the record. Refer to Section 11 for a comprehensive list of error codes.
11	ERROR MESSAGE	70	AN	The error message generated by the Trinity 999 Platform when it processed the record. Refer to Section 11 for a comprehensive list of error messages.

7.4.1 Unsolicited CAR messages and CP Transaction ID.

Where the CAR message is a prompt to a CP to send a porting message then the CP_TRANS_ID will be one generated by the BT 999 platform and will not relate to any other message sent by the CP.

7.4.2 Unsolicited CAR messages and Source Data System.

In the case where a CAR record is unsolicited, i.e. the CP hasn’t provided an import or export record and the effective date set by the other CP has passed then the source data system field may or may not be populated as follows:

If the exporting CP hasn’t sent their port message then the Source Data System will be copied from the existing data record stored on the 999 system.

If the importing CP hasn’t sent their port message then the Source Data System will be blank (spaces).

If the reminder is being sent to the CP that has provided a port message (for their information) then the Source Data System will be copied from the port message.

7.5. CAR Data Record Format.

The format of the CAR data record is shown below. The originating system refers to the system that generated the CAR file and this will always be set to “EDB”.

The CP IDENTIFIER, TELEPHONE NUMBER, POST CODE, CP TRANSACTION ID and SOURCE DATA SYSTEM fields will be populated with the same data sent in the original input record except where the error codes 45 to 50 are being returned. These error codes relate to port reminder messages where it is possible that no original message was sent from the CP.

The records in the DAT file and CAR file are not one to one mappings, it is possible for a record in a CAR file to be generated by a completing port, request for a port or due to manual intervention by the BT data team.

CAR FILE FORMAT		FIELD LENGTH	FIELD START POSITION	CORRESPONDING COMMAND IN 999 DATA FILE								
DATA RECORD				A	C	E	I	K	M	P	R	Port Reminder
	RECORD TYPE	1	1	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***M***
	ORIGINATING SYSTEM (Set to “EDB”)	10	2	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***M***
	CP IDENTIFIER	6	12	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***M***
	SPARE FIELD	20	18									
	CP TRANSACTION ID. REF NO.	20	38	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***O***
	SOURCE DATA SYSTEM	8	58	***O***	***O***	***O***	***O***	***O***	***O***	***O***	***O***	***O***
	TELEPHONE NUMBER	15	66	***M***	***M***	***M***	***M***	***M***	***M***		***M***	***M***
	SPARE FIELD	50	81									
	POST CODE	9	131	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***M***
	CONFIRMATION/REJECT CODE	4	140	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***M***
	ERROR MESSAGE	70	144	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***M***	***M***
	SPARE FIELD	60	214									

Note: The overall length of a data record contained in CAR file should be 273 bytes, followed by and end of line character. Records where there is no postcode on the record will have a default postcode of Z99 9ZZ

KEY	M = Mandatory	O = Optional	= Not Applicable		
	A = Activate Customer	**C** = Cease	**E** = Export	**I** = Import	**K** = Kill
	M = Modify	**P** = Inform BT Retail of a Post Code	**R** = Renumber		

7.6. CAR File Examples.

The examples below are of CAR files.


BT188810060504.CAR (6 KB)


BT188810060502.CAR (6 KB)

8. Audit File (.AUD) Format

Audit files are created by BT on request for CP's. The CP should, at a minimum, conduct an annual audit to compare installation addresses held on the CP's own systems with the location information held on the BT 999 database. Ad hoc audits may be required in cases where the level of discrepancies for a CP begins to give cause for concern.

Once created audit files will be placed in the CP's outgoing directory for collection. Audit files can be very large so CP's are asked to retrieve their audit files in a timely manner.

In the event that the CP should find discrepancies between the audit file and their own records then the errors can be corrected by sending Modify or Cease commands in next appropriate EFF DAT file to refresh the data.

If customer data appears in the audit file but has been exported to another CP then the BT Data Delivery Team should be contacted to resolve the issue, an EFF export should **not** be used to refresh this data as it's unlikely the owning CP will respond with an Import message and the port will fail.

Audit files consist of a single header record at the start of the audit file followed by the audit data records.

8.1. Audit File Naming Convention

Audit files are generated to allow comparison between the 999 database and the CPs database. Audit files are normally generated by the BT 999 system and passed to the CP for comparison, however the audit files specification allows other systems to generate an audit file for input to audit tools.

Audit files are generated on the BT Trinity 999 Platform after a manual request for an audit file has been received from the CP. The audit files can then be emailed to the CP or placed in the outbound directory for collection.

The audit file name is structured as follows:

BT*<CUP>*_*<YYYYMMDDhhmm>*.AUD
where
CUP is the three digit cupid of the CP requesting the audit
YYYYMMDDHHMM is the date and time in numeric form
Where ***YYYY*** is the year
MM is the month, in the range 1 to 12
DD is the date of the month in the range 1 to 31.
hh is the hour of the day in the range 00 to 23
mm is the minute of the hour in the range 00 to 59.

The time will be specified in daylight saving times.

An example of a filename is:

BT483_200806171330.AUD

This is an audit file for cupid 483 generated on the 17th of June 2008 at 13:30 hrs BST.

There is no run number in the file name and the run number used in the header record (as specified in Section 1) is decided by the Trinity 999 Platform on the creation of the audit file and is not related to any other file transferred between the CP and the Trinity 999 Platform.

8.2. Audit File Header Record.

The header record is a fixed length of 50 bytes followed by an end of line character.

The description and format of the header record are shown in the table below.

TDM AUDIT FILE FORMAT HEADER RECORD		FIELD TYPE	FIELD SIZE	START POSITION	DETAILS
1.	RECORD TYPE	N	1	1	This will be 0 (zero) indicating a Header Record.
2.	ORIGINATING SYSTEM	AN	10	2	An audit file generated by the Trinity 999 platform will have “EDB” in this field. If CPs use this system for their own audit files they should set this field to a representative value. The field will be right padded with spaces.
3.	FILE TYPE	A	1	12	This field will always be set to “A” indicating an audit file.
4.	RECEIVING CP IDENTIFIER	N	6	13	The cupid of the CP requesting the audit file. This field will be left padded with zeros.
5.	RECORD COUNT	N	8	19	The number of records in the file including the header. Left Padded with zeros.
6.	RUN NUMBER	N	8	27	Sequence number generated per cupid. Left padded with zeros.
7.	HEADER DATE	N	8	35	The date the audit was extract in the format YYYYMMDD
8.	HEADER TIME	AN	8	43	The time the audit was extract in the format HH:MM:SS

8.3. Audit File Data Record.

The data record is a fixed length of 1148 bytes of data followed by a line feed character.

The audit file will return all values stored on the Trinity 999 platform, where no data is stored the fields will be populated with spaces.

Ceased lines are also stored on the Trinity 999 platform but the names and address are removed. This provides basic information to the 999 call handler about which CP owns the line. When an audit file is generated it contains all the lines held by that CP, including ceased lines which will appear with blank (space padded) name and address fields.

The description and format of the audit data record is shown in the table below.

TDM AUDIT FILE FORMAT DATA RECORD		FIELD TYPE	FIELD SIZE	START POSITION	DETAILS
1.	RECORD TYPE	N	1	1	“1” indicating a data record.
2.	CREATION DATE	AN	10	2	YYYY-MM-DD
3.	CP IDENTIFIER	N	6	12	Left Padded With Zeros
4.	SPARE SPACE	AN	40	18	Padded With Spaces
5.	SOURCE DATA SYSTEM	AN	8	58	Right Padded With Spaces
6.	SPARE SPACE	AN	99	66	Padded With Spaces
7.	LINE STATUS	A	1	165	Right Padded With Spaces
8.	PBX LINE TYPE	N	1	166	Right Padded With Spaces
9.	INSTALLATION CLASS	N	2	167	Right Padded With Spaces
10.	ICB	A	1	169	Right Padded With Spaces
11.	OCB	A	1	170	Right Padded With Spaces
12.	CPS INDICATOR	A	1	171	Right Padded With Spaces
13.	CALL SIGN	A	1	172	Right Padded With Spaces
14.	CNI	A	1	173	Right Padded With Spaces
15.	DPRCB	A	1	174	Right Padded With Spaces
16.	NSI	A	1	175	Right Padded With Spaces
17.	Spare		1	176	Padded With Spaces

TDM AUDIT FILE FORMAT DATA RECORD		FIELD TYPE	FIELD SIZE	START POSITION	DETAILS
18.	WLR Version	N	1	177	Right Padded With Spaces
19.	TOS	A	1	178	Right Padded With Spaces
20.	TOS/B	A	1	179	Right Padded With Spaces
21.	TOS/S	A	1	180	Right Padded With Spaces
22.	OUTGOING CALLS BARRED BILLING	A	1	181	Right Padded With Spaces
23.	PREMIUM RATE CALL BARRING	A	1	182	Right Padded With Spaces
24.	ANONYMOUS CALL REJECT	A	1	183	Right Padded With Spaces
25.	MOBILE CALL BARRING	A	1	184	Right Padded With Spaces
26.	RETAILER IDENTIFIER	AN	4	185	Right Padded With Spaces
27.	SPARE SPACE		17	189	Padded With Spaces
28.	NAME / HEADER	AN	50	206	Right Padded With Spaces
29.	HONOURS	AN	30	256	Right Padded With Spaces
30.	SPARE SPACE		100	286	Padded With Spaces
31.	LINE TYPE	AN	30	386	Right Padded With Spaces
32.	PREMISES	AN	60	416	Right Padded With Spaces
33.	THOROUGHFARE	AN	60	476	Right Padded With Spaces
34.	LOCALITY	AN	30	536	Right Padded With Spaces
35.	SPARE SPACE		103	566	Padded With Spaces
36.	ADDRESS_ID	AN	12	669	Right Padded With Spaces
37.	ADDRESS_ID_SOURCE	AN	1	681	Padded With Spaces
38.	SPARE SPACE		4	682	Padded With Spaces
39.	POSTCODE	AN	8	686	Right Padded With Spaces
40.	TELEPHONE NUMBER	N	15	694	Right Padded With Spaces Leading zero included
41.	SPARE SPACE		40	709	Padded With Spaces
42.	CROSS REFERENCE NUMBER	N	15	749	Right Padded With Spaces Leading zero included
43.	SPARE SPACE		385	764	Padded With Spaces

9. Vet Checks

The Trinity File Transfer platform will apply system vets to ensure that all mandatory fields are populated. 999 Data will be validated by Trinity 999 against the criteria indicated below.

The Commands for which fields are mandatory can be found in Section 7.

9.1. Valid Characters

Below is a list of **allowable** data characters, vetted by the trinity 999 platform. Where these vets are failed, the record will be rejected and reported to the CP, in their CAR file. Any additional field specific values are discussed in the relevant sections.

CHARACTER	PRINTER GRAPHIC	RECORD TYPE	FIELD TYPE	POSITION IN FIELD
Space	Space	All	A, AN[3]	Anywhere
Full stop	.	All	A, AN[4]	Anywhere
Left Parenthesis	(	All	A, AN[4]	Anywhere
Ampersand	&	All	A, AN[4]	Anywhere
Exclamation Mark	!	All	A, AN[4]	Anywhere
Right Parenthesis	)	All	A, AN[4]	Anywhere
Minus	-	All	A, AN[4]	Anywhere
Virgule	/	All	A, AN[4]	Anywhere
Comma	,	All	A, AN[4]	Anywhere
Colon	:	All	A, AN[4]	Anywhere
Apostrophe	’	All	A, AN[4]	Anywhere
Quotes	”	All	A, AN[4]	Anywhere
A to Z	A to Z	All	A, AN[3]	Anywhere
a to z	a to z	All	A, AN[3]	Anywhere
0 to 9	0 to 9	All	N, AN	Anywhere

[3] Except all telephone number fields.
[4] Except all telephone number and postcode fields

10. Number Portability

For the purposes of EFF the term Number Portability is defined as the change of CUPID associated with a CLI.

Each CP is allocated groups or ranges of CLIs by OFCOM. Once a CLI has been allocated to a CP then that CP will remain the range holder for that CLI irrespective of any porting that occurs.

A number will normally port from one CP to another at the request of the end customer, however if a customer ceases service on a ported number then that number will revert back to the ownership of the range holder on TDM when the Cease record is received from the CP.

Please note that this porting process is for 999 purposes only and is in addition to any porting process between CPs (including BT) and range holders to actually change the routing in the network.

It is strongly recommended that CPs do not send port messages in their EFF files more than 10 days prior to the effective date.

10.1. Porting Process.

For a number to port messages must be sent to BT by both the gaining and losing CP's. The losing CP will send an export message and the gaining CP will send an import message. Both import and export records must contain the CUPID of the other CP, this allows BT to validate the port and to send reminder messages to the other CP about missing port messages.

When Trinity receives the first of the porting message it will store the message and wait to receive the second porting message from the second CP.

Once both import and export messages have been received on the Trinity 999 platform and the effective date has been reached then the port will occur and the CUPID associated with the record will be changed to that of the importing CP. Success messages[5] will be sent to both CP's

10.2. Missing Port Messages.

If no second message has been received by the effective date then Trinity will start to send reminder messages[6] to both CP's. This message will be sent for 10 calendar days (effective date to effective date +9) or until the second port message is received.

If no message is received from the second CP by the 10th day then an import or export is 10 days overdue message[7] is sent to both CP's. This message is only sent once on the 10th day and if no port record is received on the 11th day then an export or import removed message[8] is sent to both CP's and the port is deemed to have failed.

10.3. CUPID Mismatch.

If the cupid in an export message does not match the Trinity registered cupid for that CLI then the record will be rejected back to the sending CP with a CP does not own record message[9].

If the second cupid (losing CP) in an import record does not match the Trinity registered cupid then the record will be rejected back to the sending CP with an, 'Export/Import OLO Mismatch' message[10].

10.4. Effective Date Mismatch.

Both port messages should have the same effective date. If the effective dates differ and the first effective date is reached then Trinity will act as if the second port has not been received as start to send reminder messages to both CP's.

[5] Error Code 55 (Import Record Successful) and Error Code 56 (Export Record Successful)
[6] Error Code 45 (Import Record is Missing) or Error Code 47 (Export Record is Missing).
[7] Error Code 46 (Import is 10 Days Overdue) or Error Code 48 (Export is 10 Days Overdue)
[8] Error Code 49 (Import Removed, No Export) or Error Code 50 (Export Removed, No Import)
[9] Error Code 18 (CP does not own Entry)
[10] Error Code 43 (Export/Import OLO Mismatch)

If the effective dates differ by less than 10 days then the port will be completed on the later effective date.

If the effective dates differ by more than 11 days then the first port message will be rejected on the 11th day with an export or import removed message[8]. The second message will then start reminder messages[6] again when its effective date is reached.

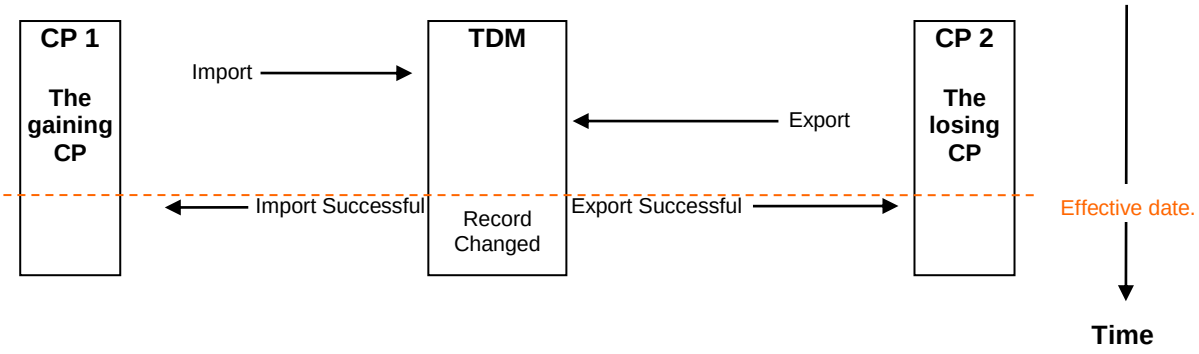
10.5. Ceasing ported numbers

If a ported record is subsequently ceased then TDM will revert the cupid on that record to that of the range holder, **it is therefore important to note that CPs making changes to line details should use the modify command rather than ceasing and re-activating the line as any previously imported records will revert to the range holder on cease and error with an error 18, 'CP does not own record' at the point of re-activation.**

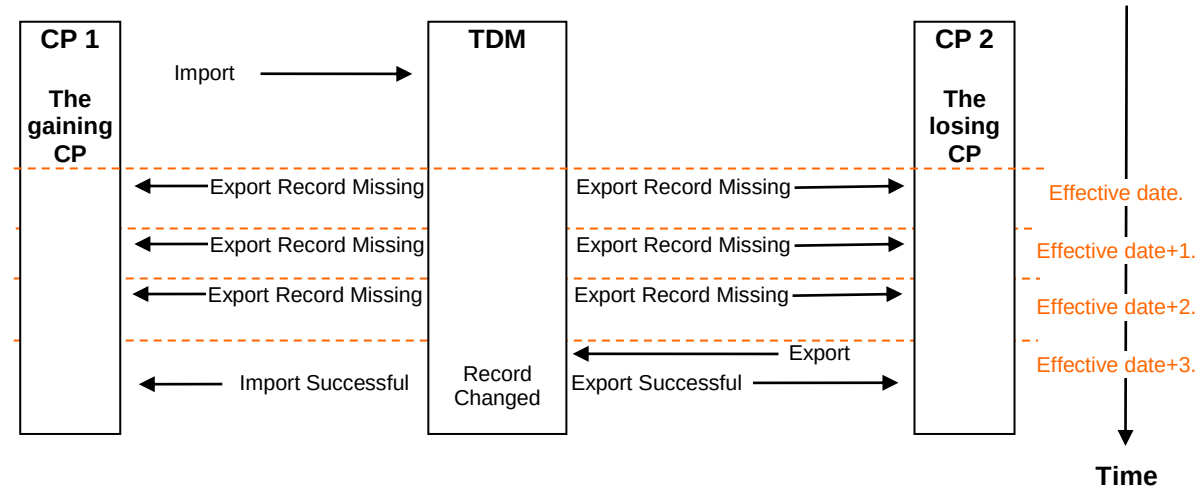
10.6. Porting Examples

The following sub sections give example's of numbers porting scenarios.

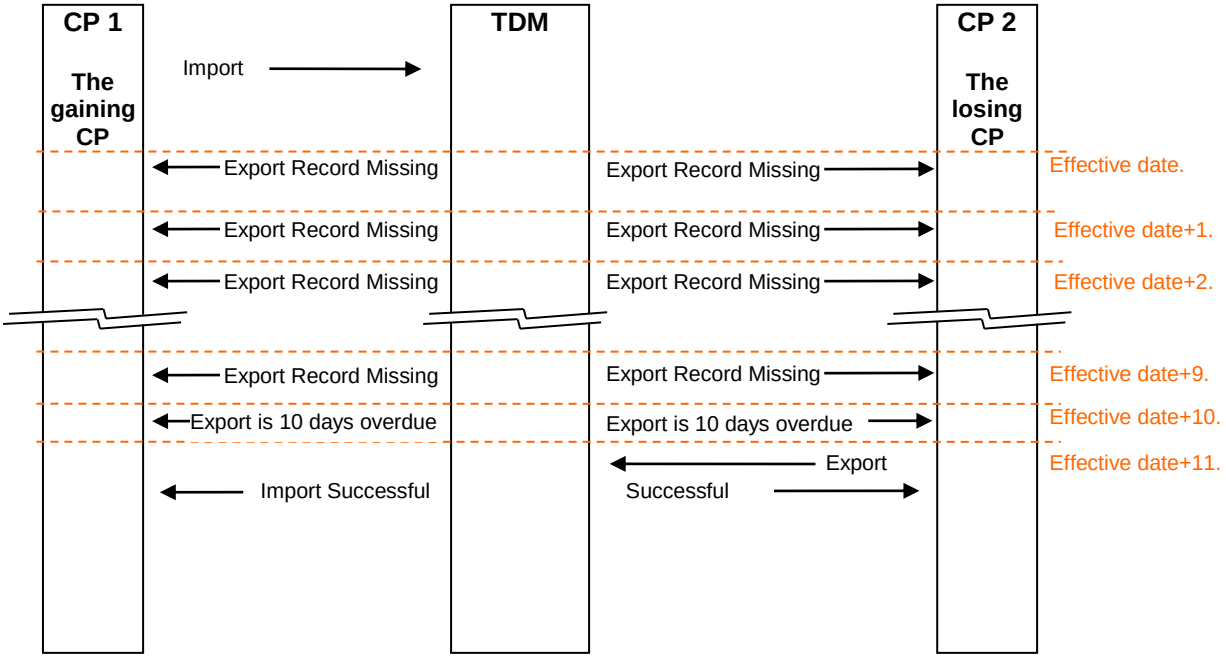
10.6.1 Example 1. A Number Port occurs on the effective date.



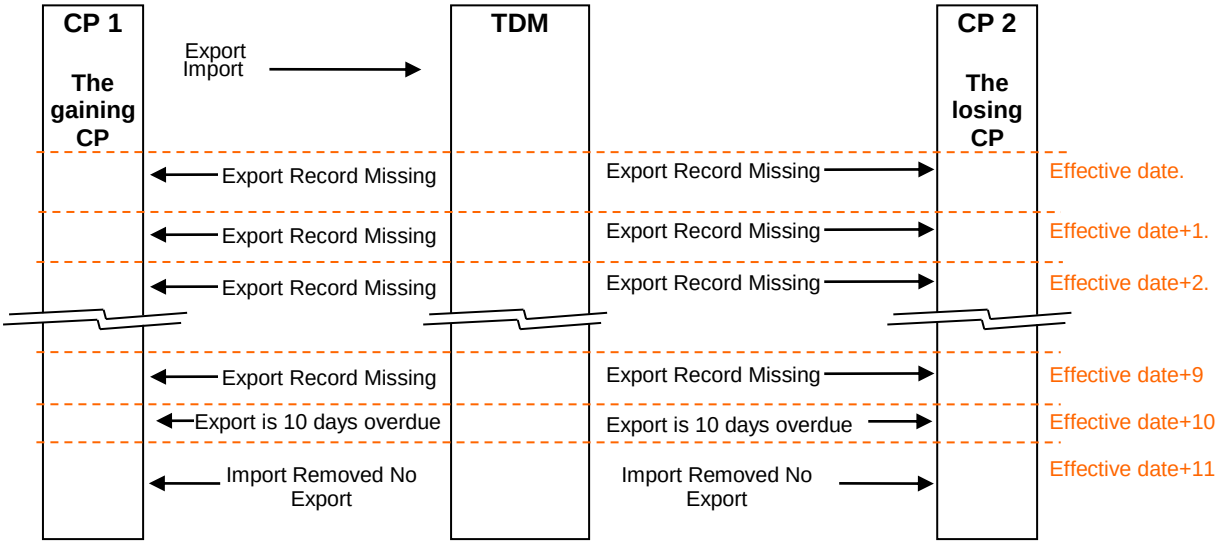
10.6.2 Example 2. A Number Port occurs after the effective date but before the 10 day limit expires.



10.6.3 Example 3. A Number Port occurs after the 10 day limit but before the 11 day cutoff.



10.6.4 Example 4. A Number Port fails due to missing export..



Further details on the Number Portability processes are best obtained via the OFCOM website
http://www.ofcom.org.uk/

11. Confirmation messages & error codes

Msg_no.	Msg Text (26)+ space (1)	Actions to be taken.
13	Telephone Number Missing.	DATA DELIVERY TEAM TO BUILD RANGE AND RETRY IF APPLICABLE (N.B. THIS MAY BE FOLLOWED UP BY ERROR 37, 38, 39 OR 57), OR CP TO CORRECT ENTRY
14	Telephone Number Invalid.	DATA DELIVERY TEAM TO BUILD RANGE AND CP TO RESUBMIT
18	OLO does not own Entry.	CP TO INVESTIGATE – (N.B. THIS MAY BE FOLLOWED UP BY ERROR 37 , 38, 39 OR 57) IF DISPUTED CONTACT DATA DELIVERY TEAM
19	Invalid OLO.	DATA DELIVERY TEAM TO CHECK VALIDITY OF CP AND CP TO RESEND IF APPLICABLE.
28	Renumber in Invalid Range.	DATA DELIVERY TEAM TO BUILD RANGE IF APPLICABLE AND REQUEST CP TO RESUBMIT – OR CP TO CORRECT ENTRY
33	Cancellation Successful.	NO ACTION
34	Cancellation Invalid.	CP TO SUBMIT CORRECTION AS AMENDMENT
35	Cancellation Unsuccessful.	CP TO SUBMIT CORRECTION AS AMENDMENT. (Currently Unused)
37	New Record Successful.	NO ACTION
38	Cease Record Successful.	NO ACTION
39	NAA Record Successful.	NO ACTION
40	Renumber Successful.	NO ACTION
43	Export/Import OLO Mismatch.	CP TO CORRECT AND RESUBMIT. (N.B. THIS MAY BE FOLLOWED UP BY ERROR 73 OR 57) THIS APPLIES TO EITHER THE GAINING OR LOSING CP AS TDM IS UNABLE TO DISTINGUISH WHICH IS CORRECT / INCORRECT
45	Import Record is Missing.	GAINING CP TO RE-SUBMIT
46	Import is 10 days overdue.	LAST WARNING BEFORE DELETION – CP TO RESUBMIT
47	Export Record is Missing.	LOSING CP TO RESUBMIT
48	Export is 10 days Overdue.	LAST WARNING BEFORE DELETION – CP TO RESUBMIT
49	Export removed, no Import.	CP TO RESUBMIT UNLESS IMPORT FROM BT. IN WHICH CASE ANY FUTURE CHANGES SHOULD BE DEALT WITH AS AN AMEND
50	Import removed, no Export.	CP TO RESUBMIT UNLESS IMPORT FROM BT. IN WHICH CASE ANY FUTURE CHANGES SHOULD BE DEALT WITH AS AN AMEND
55	Export Record Successful.	NO ACTION
56	Import Record Successful.	NO ACTION
57	Data Record is invalid	IF A RECORD HAS FAILED PREVIOUSLY E.G. FOR ERROR CODE 18 AND IT HAS BEEN CONFIRMED AS INCORRECT THIS SECOND MESSAGE WILL BE RETURNED WHEN THE DATA DELIVERY TEAM HAS INVESTIGATED.

Msg_no.	Msg Text (26)+ space (1)	Actions to be taken.
60	Postcode not found.	DATA DELIVERY TEAM TO CHECK POSTCODE WITH ROYALMAIL AND RETRY IF VALID. IF POSTCODE IS INVALID LO WILL BE NOTIFIED BY DATA DELIVERY TEAM, CP TO THEN CORRECT AND THEN RESUBMIT
61	Postcode is acceptable.	NO ACTION
73	Record Received.	NO ACTION
75	More Recent Record exists.	IF TWO RECORDS ARE RECEIVED BOTH WILL BE FAILED WITH THIS ERROR – CP TO INVESTIGATE AND RESUBMIT
76	Command Line Status Mismatch	CP to correct record and resubmit.
100	Blank record.	BLANK RECORD, CP TO CORRECT AND RESUBMIT
101	Invalid record type.	RECORD TYPE NOT '0' OR '1' CP TO CORRECT AND RESUBMIT
102	Feed Type is missing.	COMMAND VALUE NOT PRESENT IN RECORD, CP TO CORRECT AND RESUBMIT
103	Feed Type is incorrect.	INVALID COMMAND VALUE IN RECORD, CP TO CORRECT AND RESUBMIT
104	OLO ID is missing.	CP ID NOT PRESENT IN RECORD, CP TO CORRECT AND RESUBMIT
105	Invalid OLO ID.	INVALID CHARACTER IN CP ID FIELD, CP TO CORRECT AND RESUBMIT
106	OLO ID in record not owned by OLO in header.	CP ID IN RECORD NOT OWNED BY CP IN HEADER, CP TO CORRECT AND RESUBMIT
107	Reference ID is missing.	CP TRANSACTION ID REF. NO NOT PRESENT IN RECORD, CP TO CORRECT AND RESUBMIT
108	Reference ID incorrect.	INVALID CHARACTERS IN CP TRANSACTION ID REF. NO, CP TO CORRECT AND RESUBMIT
109	System Routing Flags is missing.	SYSTEM ROUTING FLAG NOT PRESENT IN RECORD, CP TO CORRECT AND RESUBMIT
110	System Routing Flags incorrect.	INVALID CHARACTERS IN SYSTEM ROUTING FLAGS, CP TO CORRECT AND RESUBMIT
111	999 routing Flag set to 'N'.	FLAG 1 IN SYSTEM ROUTING FLAGS FIELD MUST BE SET TO 'Y', CP TO CORRECT AND RESUBMIT
112	NI only record found in file.	NO NI-ONLY RECORDS ARE ACCEPTED VIA TELESTO, CP TO CORRECT AND RESUBMIT
113	Invalid Effective Date.	DATE INCORRECT, CP TO CORRECT AND RESUBMIT
114	Title is incorrect.	INVALID VALUE IN TITLE FIELD, CP TO CORRECT AND RESUBMIT
116	Initials / Forename is incorrect.	INVALID VALUE IN INITIALS / FORENAME FIELD, CP TO CORRECT AND RESUBMIT
117	Name is missing.	NAME VALUE NOT PRESENT IN RECORD, CP TO CORRECT AND RESUBMIT
118	Name is incorrect.	INVALID CHARACTERS IN NAME FIELD, CP TO CORRECT AND RESUBMIT
119	Honours is incorrect.	INVALID VALUE IN HONOURS FIELD, CP TO CORRECT AND RESUBMIT
120	Business Suffix is incorrect.	INVALID VALUE IN BUSINESS SUFFIX FIELD, CP TO CORRECT AND RESUBMIT
121	Premises is incorrect.	INVALID VALUE IN PREMISES FIELD, CP TO CORRECT AND RESUBMIT
122	Thoroughfare is incorrect.	INVALID VALUE IN THOROUGHFARE FIELD, CP TO CORRECT AND RESUBMIT
123	Locality is incorrect.	INVALID VALUE IN LOCALITY FIELD, CP TO CORRECT AND RESUBMIT
124	Post Code is missing.	POST CODE NOT PRESENT IN RECORD, CP TO CORRECT AND RESUBMIT
125	Post Code is incorrect.	INVALID CHARACTERS IN POST CODE FIELD, CP TO CORRECT AND RESUBMIT

Msg_no.	Msg Text (26)+ space (1)	Actions to be taken.
126	Telephone number not present in record.	TELNO VALUE NOT PRESENT IN RECORD, CP TO CORRECT AND RESUBMIT
127	Telephone Number Invalid.	INVALID CHARACTERS IN TELNO FIELD, CP TO CORRECT AND RESUBMIT
128	New Telephone number is missing.	NEW TELEPHONE NUMBER IS NOT PRESENT IN THE RECORD, CP TO CORRECT AND RESUBMIT
129	New Telephone number is incorrect.	NEW TELEPHONE NUMBER CONTAINS INVALID CHARACTERS, CP TO CORRECT AND RESUBMIT
130	New OLO ID is missing.	NEW CP ID VALUE NOT PRESENT IN RECORD, OR NEW CUPID IS DUPLICATE OF OLO_ID, CP TO CORRECT AND RESUBMIT
131	New OLO ID is incorrect.	INVALID CHARACTERS IN SECOND CP FIELD. CP TO CORRECT AND RESUBMIT
132	Unknown Error.	CP TO CONTACT DATA DELIVERY TEAM
133	Invalid Service	THE SERVICE FIELD IS SET TO A VALUE OTHER THAN THOSE SPECIFIED IN SECTION 5.4 CP TO CORRECT AND RESUBMIT.
134	Invalid Line Status	THE LINE STATUS, CP TO CORRECT AND RESUBMIT.
135	Invalid PBX Line Type	THE PBX LINE TYPE IS SET TO A VALUE OTHER THAN THOSE SPECIFIED IN SECTION 5.4 CP TO CORRECT AND RESUBMIT.
136	Invalid Installation Classvalue	THE INSTALLATION CLASS IS SET TO A VALUE OTHER THAN THOSE SPECIFIED IN SECTION 5.4. CP TO CORRECT AND RESUBMIT.
137	Invalid ICB value	THE ICB VALUE IS NOT SET TO A VALUE OTHER THAN “Y” OR “N”, CP TO CORRECT AND RESUBMIT.
138	Invalid OCB value	THE OCB VALUE IS SET TO A VALUE OTHER THAN “Y” OR “N”, CP TO CORRECT AND RESUBMIT.
139	Invalid CPS Indicator value	THE CPS INDICATOR IN THE RECORD IS NOT A PERMITTED VALUE AS DEFINED IN SECTION 5.4. CP TO CORRECT AND RESUBMIT.
140	Invalid RID	UNKNOWN RID. CP TO CORRECT OR SEND DETAILS OF NEW RID TO DDT AND RESUBMIT.
141	Invalid Facility Value	A FACILITY FIELD IS POPULATED WITH AN INVALID CHARACTER (NOT ‘Y’, ‘N’ OR ‘ ‘(SPACE). CP TO CORRECT AND RESUBMIT.
142	Invalid Address ID	CP TO CORRECT AND RESUBMIT.
143	Invalid Source Data System	SOURCE DATA SYSTEM CONTAINS INVALID CHARACTERS. CP TO CORRECT AND RESUBMIT.
144	Invalid Cross Reference Number	CROSS REFENCE NUMBER CONTAINS NON NUMERIC CHARACTERS. CP TO CORRECT AND RESUBMIT.
145	PO Box Address detected	RESERVED FOR FUTURE IMPLEMENTATION. A PO BOX ADDRESS HAS BEEN DETECTED. THE CP SHOULD REVIEW THE ADDRESS AND RESUBMIT THE RECORD.

Msg_no.	Msg Text (26)+ space (1)	Actions to be taken.
146	Invalid LINE_TYPE	THE VALUE IN THE LINE TYPE FIELD IS NOT KNOWN TO TDM. DDT TO INVESTIGATE AND RESUBMIT.
147	Invalid Address ID Source	CP TO CORRECT AND RESUBMIT.
148	Invalid WLR Version	WLR CONTAINS INVALID CHARACTERS. CP TO CORRECT AND RESUBMIT.
149	Invalid Name Source Indicator	NSI CONTAINS INVALID CHARACTERS, CP TO CORRECT AND RESUBMIT.

Note: Error / Message codes 100 – 132 (Red text) apply to checks that will be made first, followed by the other checks for error/message codes 13 – 76 and 133 to 148.

12. GLOSSARY

Acronym/Term	Definition
ASCII	American Standard Character Interchange Information
AUD File	Audit File
CAR File	Confirmation and Rejection File
CP	Communications Provider
CUPID	Communications Provider Identity Codes (a code allocated by OFCOM http://www.ofcom.org.uk/)
CIN	Corporate Information Network – **this document explains how to connect to the BT Network**
DAT File	Licensed Operator Input File
DDT	Data Delivery Team –Internal BT group who are responsible for the Data Administration of the Trinity system
EDB	Emergency Database – replaced by TDM
EFF	Emergency File Format
FTP	File Transport Protocol
FTPS	Secure FTP client that uses SSL to encrypt data, not to be confused with sFTP which uses SSH.
FCO File	Confirmation of File Receipt/rejection
LORS	Licensed Operator Registration System (the gateway for CP NI data)
NI	Number Information
SFF	Standard File Format
TDM	Trinity Data Manager – the Database which manages 999 data.
XFB	File transfer software http://www.support.axway.com/prod/www/vlreg.nsf/index?openform

13. References

1. Title: Code of Practice for the Public Emergency Call Service (PECS) between Communication Providers and the Emergency Services.
   Author: Various.
   Issue: 0508v2
   Date: 23rd February 2009
   Download Site: http://www.btwholesale-briefingportal.com/brief/downloadblockfile/386/marketing/file_list/0/307-09_PECS_CoP_-_2008v2.doc

2. Title: Schedule 225: Emergency Service (Fixed Emergency Calls, VoIP originated Emergency Call, Non Geographic Emergency Calls and Mobile Emergency Calls.
   Author: BT Wholesale.
   Issue: 5.1
   Date: 19th May 2008
   Download Site: http://www.btwholesale.com/pages/downloads/service_and_support/contractual_information/docs/nsia/nsch225.rtf

3. Title: Schedule 125 Emergency Service (including posy code allocation for Fixed Emergency Calls).
   Author: BT Wholesale.
   Issue: 4.0
   Date: 22nd September 2006
   Download Site: http://www.btwholesale.com/pages/downloads/service_and_support/contractual_information/docs/industry/scf/nsch125i40d2220906.rtf

4. Title: Standard File Format
   Author: Dave Nunn, BT
   Issue: 11
   Date: 19th April 2009
   Download Site: http://www.btwholesale.com/pages/downloads/solutions/directory_solutions/library/SFF_ISSUE_11.pdf

5. Title: Customer Data For Emergency and Operator Assistance Services – A User Guide
   Author: Ian Watson, BT
   Issue: 1.0
   Date: 18th March 2009
   Download Site: http://www.btwholesale.com/pages/downloads/Products/Managed_Network_Solutions/User%20Handbook%20to%20999_100%20data%20Issue%201_0.doc

6. Title: Calypso Gateway, 999 Data Feed Support
   Author: Deana Surtees, BT
   Issue: 1.3
   Date: October 2010
   Available from: Deana Surtees, Deana.Surtees@BT.com

14. Document Control.

14.1. Authorisation

This document has been authorised by:

NAME	POSITION	Email	DATE
Deana Surtees	999 Data Systems Support	Deana.Surtees@BT.com	11th November 2009

14.2. Document History

Version	Date	Author	Date & Reason for change
Draft 0.1		Lynda da Nobrega	Separation of data feeds into NI to LORS2 and 999 to Telesto and incorporation of references to the new Trinity Data Manager.
Draft 0.2		Lynda da Nobrega	Following initial discussions with Telesto Support Team.
Draft 0.3		Deana Surtees	Following Internal Review
Draft 0.4		Deana Surtees	Following some responses from Licensed Operators as well as an amendment to cover VoIP.
Draft 0.5		Deana Surtees	Following further responses from Licensed Operators.
Draft 0.6		Deana Surtees	Following further responses from Licensed Operators.
Draft 0.7		Deana Surtees	Following further responses from Licensed Operators.
Draft 0.8		Tracey Porter	Following internal consultation
Issue 1		Dave Shaw	Issued after feedback from Virgin Media
Issue 1.1		Ian Johnston	Updated interface to support 100 service data.
Issue 1.1a	23/11/09	Ian Johnston	Updated to correct various typo's. All CLIs now defined as numeric only fields in DAT and AUD files.
Issue 1.1b	05/01/10	Ian Johnston	Added an error code to reject records containing PO box addresses. Changed porting diagrams in section 10.6 to reflect that reminder messages go out to both CP's. Added in the Stopped line state to section 5.4.3. Changed CAR file definition for postcode command by making CLI a 'not applicable' field rather than mandatory. Changed Mandatory and Optional symbols in DAT and CAR data tables. This was done as the unusual symbols used caused problems with some versions of MS Word. Section 8.3, CAR file table. The description for NSI and WLR Version changed from "padded with zero's"

			to “right padded with zero’s.
Issue 1.1c	31/03/10	Ian Johnston	Added error code to reject unknown LINE_TYPES. Changed description of EC 146 to reflect that RID may not be recognised on the system. Section 11, swapped EC’s 140 and 141 as CSS RID error is 140 not 141 as previously stated. Section 5.4.2, the table showing mappings between commands and Line States has been changed to prevent addresses being sent for retained lines. Line State of D – Soft Dial Tone has been added. The porting period has changed from 28 days after effective date to 10 days after effective date and from 3 days grace period to 1 day grace period.
Issue 1.1d	25/06/10	Stuart Goodman/ Ian Johnston	Section 5.4.2, Command/Line Status table. Added the line state of “D” (soft dial tone) to command ‘Activate’ to allow SDT lines to be activated. Section 8.3, Audit file table. Removed the Mandatory/Optional column because it did not add any value. Altered the text to say that, where TDM did not have a particular piece of dat, that spaces would be returned. Added advisory note to the description of Effective Date to advise that current or future dates should only be sent. Section 11, 999 messages & error codes. Added error codes for invalid Address ID and invalid Address ID Source. Section 8. Clarified that exports and imports should not be included in data refreshes. Added Section 5.4.1 giving more details of how renumbering works. Section 5.5 table. Removed the optional value for Source Data System from the Renumber column and greyed it out. Section 6.2 Added paragraph stating that when .DATS are rejected that no records from that file are processed. Section 5.1 Added paragraph stating that filenames should not be re-used. Section 8. Changed the wording of the audit section in line with OFCOM guidance on frequency of audits.
Issue 1.1e	19/04/11	Ian Johnston	Added in sections 7.4.1 and 7.4.2 to explain the Source Data System and LO TRANS ID field values in unsolicited CAR responses. Changed porting section to allow effective dates to differ by more than 28 days but still allow the port to complete. Added clarification on use of CNI numbers. In audit file data record definition the “originating system” has been changed to “SOURCE_DATA_SYSTEM” to be consistent with

			naming in the DAT file. The field contents will be the same but the description of the field is now consistent with the DAT definition. Error code 53 (effective date mismatch) removed from specification and porting section modified to reflect actions should effective dates not match. Made Business Suffix a Alpha Numeric rather than purely Alpha. Removed reference document “Connecting to Telesto” and replaced with Calypso Gateway, 999 Data Feed Support Added notes to various fields in Section 5.4 stating that there will be additional charges for use of the 100 fields in the interface. Added note to the CLI fields stating they should be left justified and right padded with spaces. Sect 4.1 Stage 5 File rejection. Added note saying the corrected .DAT file should use same run number as original.
Issue 2.0	05/07/11	Deana Surtees/ Ian Johnston	Introduction; Added ‘name and address’ to first paragraph, and changed the version number in the last paragraph 4.2 Moved the text ‘If a file fails in its entirety….’ To after #4. Deleted #6 ‘Check that the CP in the header…’ and made 7 a notation rather than a check 5.4 added a comment concerning records sent too far in the future 6.2 deleted duplication of text ‘ Confirmation and Rejects…’ 7.5 Put M in table for port reminder messages and added a note about dummy postcode use Z99 9ZZ 11 Re-titled from ‘999 messages and error codes’

14.3. Document Distribution

The document will be distributed to the following:

1. CPs using BT for their 999/100 service
2. BT Design and Innovate (BTD&I) designers developing voice products.
3. BTRetail Data Systems Support.
4. Trinity 999 Development & Support Team.
5. BT Wholesale.

End of Document