NEW SOUTH WALES DEPARTMENT OF TRANSPORT.

Transport Services Division

Driver Authority Information Service
E-Mail Format Specification

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1   Introduction

Specially formatted e-mail (called an EMIR message) is the preferred method for the Department to receive large requests for driver authority information. This document describes the format of an EMIR message.

Although it would be possible to manually type a e-mail message that is compliant with the EMIR specification, the intention is that these messages are generated automatically by some application. This application would be independently developed for the passenger transport operator, to assist them in complying with the Passenger Transport Act 1990.

2   Definitions

2.1   General

DAIS	Driver Authority Information Service. This is the general name for the service that provides driver authority information by electronic means. Currently DAIS provides information via the Web and E-mail.
Department	New South Wales Department of Transport.
Driver Authority	Authorisation by the Department for a person to drive a public passenger vehicle.
EMIR	E-mail Information Request. A specially formatted Internet E-mail containing authentication and authority data that meets the Department's specifications.
Hypertext	Text containing links, within itself, to other documents.
The Internet	The worldwide network of interconnected computer systems.
Internet E-mail	A standard method to transfer text messages across the Internet.
PTMS	Passenger Transport Management System. A system used by the Department to manage of Driver Authorities among other things.
The Web	A large-scale distributed hypertext system based in the Internet. Also known as the world wide web.

2.2 Computer System Definitions.

ASCII	American Standard Code for Information Interchange. The code set understood by DAIS.
HTML	Hypertext Markup Language. HTML is an application of SGML (Standard Generalised Markup Language). It defines a range of useful tags for indicating a node title, paragraph boundaries, headings of several different levels, highlighting, lists, etc.
Message line	A specially formatted line of an EMIR message. Used to request information on one or more driver authorities, to identify the requestor or authenticate the identity of the requestor.
MIME	Multipurpose Internet Mail Extensions. A system designed to provide facilities to include multiple objects in a single message, to represent body text in character sets other than ASCII, to represent formatted multi-font text messages, to represent non-textual material such as images and audio fragments, and generally to facilitate later extensions defining new types of Internet mail for use by cooperating mail agents.
RFC821	Defines the Simple Mail Transfer Protocol, the standard method to transfer text messages across the Internet.
RFC822	This standard specifies syntax for text messages that are sent among computer users, within the framework of Internet e-mail.
Token	A string of characters and possibly digits within a message line.

3 User Requirements

3.1 Conditions

- Prospective users must be registered on the DAIS system and have a positive account balance.

3.2 Implementation

Before you send your first EMIR mail message, you must login to the DAIS application on the Department's web site (http://www.transport.nsw.gov.au) and guarantee the following:

- Your correct e-mail address must be set up in your account details. DAIS will reply to the e-mail address defined in your account details, not the e-mail address from where the EMIR message was sent.
- Your password must consist of letter and numbers only. Specifically your password may not contain any embedded spaces or special characters.

4 EMIR Specifications

4.1 Envelope Requirements

The recipient must be emir@transport.nsw.gov.au.

Standard Internet E-mail (RFC821) is used.

4.2 Content Requirements

The message must be a standard Internet E-mail message (RFC822). The message must be ASCII encoded {7 bit} and contain plain text only. No MIME encoding. No embedded HTML.

Preferably the message should consist of only the standard mail headers and EMIR message lines.

Message lines must be strictly in accordance with the Message Line Format Specification. The following requirements must also be observed:
- No spaces or characters prior to the start of the message line.
- The maximum size for each message line is 998 characters.
- Message lines consist of tokens separated by one or more SPACE characters.
- Message line tokens consist of the characters A-Z, a-z, 0-9. No other characters are to be used.
- The Identification and Password message lines must precede the first Driver message line.

5   Message Line Format Specifications.

Identification Message Line

Token	Description
Identification Keyword	Literal "ID".
Operator code	This is the same as the code entered on the DAIS login screen.

Password Message Line

Token	Description
Password Keyword	Literal "PASSWORD".
Operator password	This is the same as the password entered on the DAIS login screen. NB The password can not contain any character other then A-Z, a-z, 0-9.

Driver Message Line

Token	Description
Driver Keyword	Literal "DRIVER".
Driver Authority Code	Driver's authority code as found on the authority card. eg. AA1230. This token may be repeated as many times as required.
...	...

Example mail message:

```
Message-Id: <s743035a.031@admin.busman.com.au>
X-Mailer: Novell GroupWise 5.5
Date: Wed, 19 May 1999 18:30:07 +1000
From: "Ron Busman" <busmanr@busman.com.au>
To: <emir@transport.nsw.gov.au>
Subject: ID 1234
```

Header details are ignored by DAIS.

```
ID 1234
PASSWORD Just4U
DRIVER AA1230 AA6979 AA8941
DRIVER AE2055 AB5977
```

Message lines is processed by DAIS