

National Safety Camera Programme

NSCP Data Monitoring Handbook

© PA Knowledge Limited 2005

Prepared for: Safety Camera
Programme Office

Prepared by: **[Name withheld
under s40]**

PA Consulting Group
Tuborg Boulevard 5
DK-2900 Hellerup
Tel: **[withheld under s40]**
Fax: **[withheld under s40]**
www.paconsulting.com

Version: 1.0

TABLE OF CONTENTS

I.	Data Monitoring Process	1
II.	NSCP Data Monitoring Tool v3	2
A.	Switchboard	2
B.	Partnership Data	3
C.	Camera Site Data	8
D.	Operational Case Submission and Approval	22
E.	National Contact Information	24
F.	Data Validation and Reporting	25
G.	Database Administration	31
III.	New Data Elements Requested in v3	32
A.	Partnership data	32
B.	Camera Site Data	33
IV.	Frequently Asked Questions	34
APPENDIX A:	NSCP v3 Data Model	A-1

I. DATA MONITORING PROCESS

Partnerships are responsible for the collection, formatting and validation of the data that goes into the monitoring database. Upon receipt of the partnership data, the programme office will aggregate the data on a national database.

Ownership of data within the database lies with partnerships. As a result no data submitted by partnerships will be manipulated or updated by the programme office unless specifically agreed with the partnership data analyst.

Naturally, partnerships are permitted to create their own reports on progress for internal use. However, in order to ensure a consistent approach to data extraction and analysis across the UK, partnerships should consult the Programme Office before publishing results of any analysis on safety camera topics. This is to ensure that the UK results can be communicated in full context and the impact can be maximised at national and local level.

To support the process, a data-monitoring tool has been developed. The tool consists of a MS Access database supplied to partnerships to be used for data submission and local monitoring, and another MS Access database located in the programme office used for data aggregation and national monitoring. Partnerships are to submit their data to the programme office quarterly no later than 3 months after the end of the quarter. As a result, the most up-to-date information on the national database will be between 3 and 6 months old.

Rule 11: Monitoring Requirements

All partnerships are required to collect, monitor and forward to the programme office casualty and collision data on an ongoing basis to assess the performance of their safety camera strategies and their contribution towards achieving the 2010 casualty reduction targets. The deadline for data submission is **three months** after the quarter end.

[Source: 2005-06 Programme Handbook, Section 7.1].

Submitting the Data

The actual submission of the data requires partnerships to send their back-end database to the Programme Office Data and Knowledge Manager.

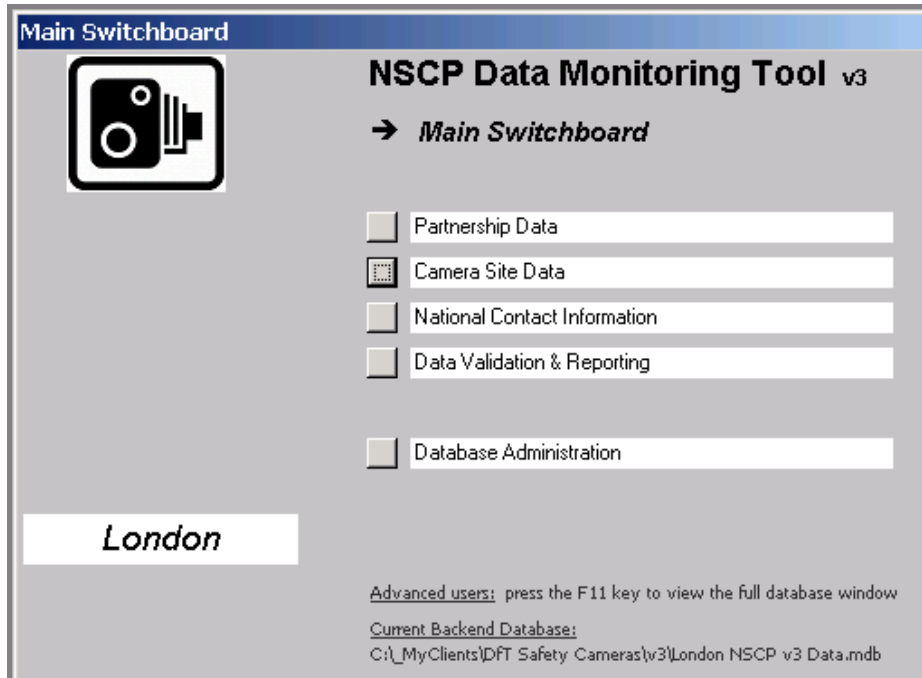
On the *Database Administration* form it is possible to identify the name and location of the file that should be sent in.

In order to minimise the file size, it is recommended that you compact the back-end database prior to sending it.

II. NSCP DATA MONITORING TOOL V3

A. SWITCHBOARD

When the User Interface (UI) file is activated, the **Main Switchboard** will appear.



The options available on the switchboard are:

Partnership Data

This will open the form for editing and viewing information on partnership area level.

Camera Site Data

This will open the form for editing and viewing information on individual camera site level.

National Contact Information

This will access the national contact information form.

Data Validation & Reporting

This will access the Data Validation and Management Information Reports.

Database Administration

This will access the Database Administration Form.

In addition to the menu buttons, the following information is available on the Switchboard:

Partnership Name

Name of the partnership can be seen at the bottom left of the switchboard.

Version Number

The version number can be seen at the top right of the switchboard.

Currently active back-end

The path to and name of the currently active back-end database can be seen at the bottom of the switchboard.

In the following sections, each of the forms within the tool will be described in detail.

B. PARTNERSHIP DATA

The partnership information form is divided into 2 main areas:

Partnership Data Selector

This is located at the top left of the form and is used to toggle between the different areas of partnership information.

Partnership Information subform

This section occupies the lowest 4/5 of the form and is used to display and input partnership information.

The area of information displayed depends on the current setting of the *Partnership Data Selector*.

1. Partnership Details

The screenshot shows a web form titled "Partnership Data". At the top, there is a header bar with "Essex" on the left, "(ID 42)" in the center, and a small icon on the right. Below the header, there is a "Partnership Data Selector" table with five buttons: "Partnership Details" (selected), "Equipment", "Public Attitude Survey", "Contact Details", and "Exception Enforcement". The main content area is titled "Partnership Details" in red. It contains the following fields: "ID" (42), "Name" (Essex), "Joined" (01-04-2000), "Region" (Eastern), "Website" (<http://www.essexsafetycameras.co.uk>), "Principal Office Address" (a section header), "Address Line 1" (Essex Safety Camera Partnership), "Address Line 2" (Highways and Transportation), "Address Line 3" (County Hall), "Town" (Chelmsford), "County" (Essex), and "Postcode" (CM1 1QH).

The Partnership Details form displays general information on the partnership.

Partnership ID and Name

The name and the nationally unique identification number of the partnership (Police Force Code for first Police Force in Partnership).

Partnership Joining Date

Date when the partnership started operating under the cost recovery programme. For partnerships where different local authorities have joined at different times, this shows the original date.

Partnership Region

The name of the region, of which the partnership is part.

The above fields are not editable by partnerships.

Partnership Website

This is the principal website used by the partnership.

Partnerships should update this as appropriate.

Principal Office Street Address

This is the principal street address used by the partnership.

Partnerships should update this as appropriate.

2. Partnership Personnel and Contact Details

Partnership Data

Essex (ID 42)

Partnership Details	Equipment	Public Attitude Survey
Contact Details	Exception Enforcement	

Partnership Personnel and Contact Details

Role	Name	Email	Telephone	Mobile
Communications Manager	Kelly Fairweather	kelly.fairweather@essexcc.gov.uk	01245 437786	07786 125875
Data Manager	Sophia Flynn	sophia.flynn@essexcc.gov.uk	01245 436504	
Project Manager's Assistant	Ian Henderson	ian.henderson@essexcc.gov.uk	01245 437348	07786 125667
Project Manager	Andrew Harris	andrew.harris@atkinsglobal.com	01245 245136	
Treasurer	Steve Raddats	steve.raddats@essexcc.gov.uk	01245-437076	
Partnership Chair	Andrew Harris	andrew.harris@atkinsglobal.com	01245 245136	
Fol Lead	Kelly Fairweather	kelly.fairweather@essexcc.gov.uk	01245 437786	07786 125875
*				

Contact Address (if different from partnership address)

Address Line 1
Address Line 2
Address Line 3
Town
County
Postcode

The partnership Personnel and Contact Details form displays contact information on key personnel within the partnership.

Partnerships are expected to maintain this information for the Chair, Project Manager, Communications Manager, Finance Manager, and Data Manager.

In case a position/role is shared between 2 or more people, contact information should be supplied for all individuals.

The information requested is:

Role

The role/position of the individual within the partnership.

Name

The name of the individual.

E-mail address

Business E-mail address of this individual.

Telephone

Business telephone number of this individual.

Mobile

Business mobile telephone number of this individual

Street Address

Office Street Address of this individual.

This is only required if different from the Principal Partnership Street Address

General MS Access Tip 1:

In order to delete a record from a form such as the one pictured above, you should press the little grey square to the left of the *Role* field. With this square selected you can delete the record by pressing 'Delete'.

3. Camera Equipment

Partnership Data

Essex (ID 42)

Partnership Details Equipment Public Attitude Survey

Contact Details Exception Enforcement

Camera Equipment in Operation

Equipment Type	Mechanism	Year	Month	#Units
test	Fixed	2005	August	

Add Equipment Type to list Remove Equipment Type from list

The Camera Equipment In Operation form displays details on the number of camera units operated by the partnership.

Partnerships are expected to update this information as appropriate.

The information requested is:

Camera Equipment

Different types of equipment are listed along with the mechanism of the equipment type.

If there is a need to specify an additional equipment type, this can be done by pressing the button below the list. By doing this, the user will be prompted to supply the name and mechanism of the new equipment type. Similarly, if there is a need to remove an equipment type, this is done by pressing the appropriate button.

Following the first quarterly submission of v3, the programme office will be able to compile a standardised list of equipment used by partnerships.

Year-Month

Year and Month from which the information is valid

Units

Number of units of this equipment type that is in operation in the partnership from the specified year and month.

The number reported should be the total number of camera units owned by the partnership independent of the current state of the equipment (e.g. operational, out for repair, out for calibration etc.).

4. Exception Enforcement

The screenshot shows a web form titled 'Partnership Data' for 'Essex' (ID 42). The form has a navigation menu with tabs: 'Partnership Details', 'Equipment', 'Public Attitude Survey', 'Contact Details', and 'Exception Enforcement'. The 'Exception Enforcement' tab is selected. Below the menu, the title 'Exception Enforcement in your Partnership Area' is displayed. The form contains a table with columns for 'Year', 'Month', and 'Enforcement (hours)' (subdivided into 'Fixed Sites' and 'Mobile Sites'). There are dropdown menus for 'Year' and 'Month', and input fields for the enforcement hours. At the bottom, there is a 'Comment' field.

The Partnership Exception Enforcement form displays details on enforcement levels at non-approved camera sites.

Partnerships are expected to supply this information on a monthly basis.

The information requested is:

Year-Month

Year and Month for which the information is valid

Enforcement

Total number of hours spent enforcing at non-approved sites in this month. The number should be broken down into enforcement carried out at fixed and mobile sites.

For fixed sites, the hours reported should be the total time (to nearest hour) from the camera unit is placed in the housing until it is removed.

Example:

A camera-unit is placed in a housing Monday 1pm and removed the following Wednesday at 11am. This should be reported as 46 hour of enforcement.

5. Public Attitude Survey

Partnership Data Essex (ID 42)

Partnership Details	Equipment	Public Attitude Survey
Contact Details	Exception Enforcement	

Survey Results from your Partnership Area

- Results indicate the percentage of respondents who agree.
- You are required to complete at least one set of survey results per year.

Year	Month	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Survey Method	Target Group	Sample Size	# Respondents
2000	June	40 %	81 %	71 %	70 %							
2001	November	39 %	77 %	72 %	66 %							
2002	October	56 %	80 %	70 %	50 %	87 %	82 %	26 %				
2003	October	61 %	75 %	64 %	54 %	85 %	76 %	22 %				
2004	October	28 %	70 %	61 %	54 %	80 %	74 %	28 %				
*												

Comment

Legend:

Q1: "Cameras are an easy way of making money out of motorists"

Q2: "Cameras are meant to encourage drivers to keep to the limits, not punish them"

Q3: "Fewer accidents are likely to happen on roads where cameras are installed"

Q4: "Cameras mean that dangerous drivers are now more likely to get caught"

Q5: "The use of safety cameras should be supported as a method of reducing casualties"

Q6: "The primary aim of safety cameras is to save lives"

Q7: "There are too many safety cameras in our local area"

The Public Attitude Survey form displays the results of the public surveys conducted. Partnerships are expected to perform the survey once a year as a minimum. The information requested is:

Year-Month

Year and Month of when the survey was carried out.

Percentage of respondents who agreed on the following questions:

Q1: "Cameras are an easy way of making money out of motorists"

Q2: "Cameras are meant to encourage drivers to keep to the limits, not punish them"

Q3: "Fewer accidents are likely to happen on roads where cameras are installed"

Q4: "Cameras mean that dangerous drivers are now more likely to get caught"

Q5: "The use of safety cameras should be supported as a method of reducing casualties"

Q6: "The primary aim of safety cameras is to save lives"

Q7: "There are too many safety cameras in our local area"

Survey Method

Specification of the survey method applied for the survey.

If there is no suitable option on the drop-down list, then please select 'Other' and provide details in the 'Comment' field.

Target Group

Specification of the respondent group targeted when undertaking this survey.

If there is no suitable option on the drop-down list, then please select 'Other' and provide

details in the 'Comment' field.

Sample Size

Number of people who were given the opportunity to answer the questions.

Respondents

Number of people who have provided answers to the survey.

C. CAMERA SITE DATA

Definition: Camera Site

A site is defined as a stretch of road where safety camera enforcement takes place. A housing is the physical infrastructure installed at the roadside, which consists of the pole and the box from within which a camera may operate. More than one housing may be present within a safety camera site.

[Source: 2005-06 Programme Handbook, Section 3.2]

The camera site information form is divided into 3 main areas:

1. Camera Site Data Selector

This is located at the top left of the form and is used to toggle between the different areas of camera site information.

2. Camera Site List

This is located in the left half of the form and displays all camera sites. The information on the list is *SiteID*, *Site Name*, *Site Type* (detailed information on these data elements is located under *Camera Site Details*). In addition, there is a *Status* column showing whether the site is currently active. This is based on the status of the *Camera Locations* within the site.

Below the list there are 2 buttons

Append Camera Site This will open a form requesting information on the new potential camera site. Detailed information on this form can be found in the section *Append a Camera Site*.

Remove Camera Site This will allow you to delete a Camera Site from the database. All related records (housings, collisions, casualties etc.) would also be deleted.

Please note that sites should not be removed from the database simply because they are no longer in use. For more on how to record sites 'out of use' please refer to *Camera Site History*

Above the list there is a check-box '*Apply Default Date Settings*'.

If this is checked, then the *Casualty History*, *Speed Survey History*, and *Enforcement History* will apply a default date for new records. The default date is based on the last recorded date entry.

3. Camera Site Information Subform

This section occupies the right half of the form and is used to display and input various camera site information.

The area of information displayed depends on the current setting of the *Camera Site Data Selector*.

1. Camera Site Details

Camera Site Information

Operational Case Preview | **Site Details** | Site History | Casualty History | Speed and Traffic Flow | Enforcement History

London

Apply Default Date Settings ☐

ID	Name	Type	Status
CS-B-15020	A118 London Rd West of Jutsums Ln E	Fixed	Active
CS-B-16001	Ballards Rd Sth of Boleyn Gdns N/B R/L	Fixed	Active
CS-B-16006	Rainham Rd Sth /w Canberra Cres E/W	Fixed	Active
CS-B-17002	Royal Docks Rd Nr Gallions Rch Rndb	Fixed	Active
CS-B-17003	Royal Docks Rd Nr Winsor Ter Rndbt	Fixed	Active
CS-B-17004	North Woolwich Rd by Mill Rd E/B E16	Fixed	Active
CS-B-17005	North Woolwich Rd by Knights Rd E/B	Fixed	Active
CS-B-18002	Bexley Rd by Arran Close E/B Erith DA	Fixed	Active
CS-B-18003	Brook St by Riverdale Rd N/B Erith DA	Fixed	Active
CS-B-18006	Woolwich Rd Belvedere Nr Knee Hill E	Fixed	Active
CS-B-18009	Yarnton Way East of Wolvercote Rd E	Fixed	Active
CS-B-18010	Yarnton Way West of Alsike Rd E/B D	Fixed	Active
CS-B-18011	North Cray Rd by Bunkers Hill S/B DA1	Fixed	Active
CS-B-18012	North Cray Rd by Chantry Close S/B D	Fixed	Active
CS-B-19001	Midfield Wy West of Chipperfield Rd W	Fixed	Active
CS-B-19002	Albemarle Rd West of Westgate Rd E/B	Fixed	Active
CS-B-19003	Glebe Way West of Silver Ln E/B BR4	Fixed	Active
CS-B-19009	Southborough Ln Nr Oxhawth Cres E/E	Fixed	Active
CS-B-19010	Elmers End Rd Nth of Beck Ln N/B SE	Fixed	Active
CS-B-19013	Widmore Rd West of Southview E/B B	Fixed	Active
CS-B-19014	Southend Rd Sth of Stumps Hill Ln N/E	Fixed	Active
CS-B-19015	Mottingham Rd Sth of Ravensworth Rd	Fixed	Active
CS-B-19017	A21 Hastings Rd Sth of Jackson Rd N	Fixed	Active
CS-B-20012	Selsdon Pk Rd by Pixton Way E/B CR	Fixed	Active
CS-B-20024	Addiscombe Rd by Mapledale Ave E/B	Fixed	Active
CS-B-20028	Coombe Ln by Oaks Rd W/B CR0 (44)	Fixed	Active
CS-B-20029	Gravel Hill Opp Abbots Green W/B CF	Fixed	Active
CS-B-20030	Gravel Hill by Adington Palace E/B CR	Fixed	Active

Append Potential Camera Site | Remove Camera Site

Site Details

Site Name: CS-B-19002
Albemarle Rd West of Westgate Rd E/B BR3 (3361)

Overlapping Site (optional): Remove link

Responsible Authority: Bromley

☐ Site located on Trunk Road

Site Approval

Date Approved:
Site Type: Fixed
Site Class: Core

Site Coordinates

	Easting	Northing
Site Start	538011	169704
Site End		
Site Length		km

Operational Case Qualification Period

Start: 01-01-1998 End: 31-12-2000

Alternative Baseline Period (Optional)

Start: End:

Sites included in this Site

Approval Hazards Recalculate Hazards 1-3 for this site

- ☐ High KSI per km (ie. above current criteria)
- ☐ High PIC per km (ie. above current criteria)
- ☐ Borderline KSI or PIC per km (1 KSI/km below or 2 PIC/km below current criteria)
- ☐ Evidence of speed problem from speed survey
- ☐ Evidence that local residents are concerned about speed (e.g. complaints, surveys, petitions)
- ☐ High casualties spread across a length of route rather than a specific location
- ☐ Proximity to vulnerable road users including children, horse riders, elderly

Comment

The Camera Site Details are located in the right half of the form and displays details for the site currently selected on the *Camera Site List*.

The information shown is

Site ID

This is a user definable 10-character string uniquely identifying the site within the partnership. The string can consist of both numbers and text characters.

Site Name

Name describing the location of the camera site.

Data Convention: Site Name

Road number where available, followed by road name where available, followed by optional location detail, delimited by a forward slash (/). For example:

B4057/ Winterbourne Rd./ Nr B4427 Glos. Rd

Overlapping Site (If applicable)

If a site polygon is entirely engulfed by the polygon of another site, then the overlapped site (i.e. the smaller of the polygons) should reference the overlapping site (i.e. the larger of the polygons). The reverse relationship should not be specified.

In order to remove a link between a site and an overlapping site, please use the button *Remove Link* located to the right of the field.

Partial overlaps between sites should not occur. If it is necessary to redefine site-polygons in order to eliminate partial overlaps between sites, then this should be done and revised

site information should be submitted. In case such a redefinition results in a site no longer meeting the casualty requirements, then the site should be reviewed in order to validate the need for continuing enforcement.

Responsible Authority

The name of the agency responsible for works within the described site - e.g. Cumbria County Council, Highways Agency etc.

Site located on Trunk Road

Is this site located on a trunk road? [Yes/No].

Date Approved (only for Core sites)

Date when this site was approved to operate under cost recovery.

Site Type

The type of this camera site.

There are five different types of safety camera site:

Fixed - sites where fixed speed camera housings are installed with cameras operating continuously or from time to time. These are highly visible and coloured yellow.

Mobile – sites where highly visible mobile speed camera enforcement may take place from time to time.

Time-Dist – sites where time over distance speed cameras are installed and in operation continuously or from time to time.

Red-light – traffic light junctions or traffic controlled pedestrian crossings where red-light cameras are installed and enforcement is undertaken continuously or from time to time.

Combined speed camera and red-light camera sites – traffic light junctions where combined red-light and speed on green camera enforcement (i.e. speed offences whilst travelling through a green light) takes place from the same housing continuously or from time to time.

In addition, the monitoring tool operates with a 6th type of site:

Route - Where three or more consecutive mobile speed camera sites have been approved for enforcement, these sites may be joined together with the start of the first site and the end of the last site being regarded as start and end points to a route. Routes should not exceed 20km in length. A Route should have individual camera sites attached to it. For details on route approval criteria, please refer to the programme handbook.

The site type can only be edited for Potential Camera Sites. Once a site is approved, this is for information only.

Site Class

Every safety camera site within the programme must fall into one of the mutually exclusive categories below:

Proposed - sites that have not yet been presented to programme board for approval to operate under cost recovery.

Core – sites that were established prior to the partnership joining the programme, the pilot phase, or approved in subsequent phases of the programme.

Exceptional – sites that may not have met programme criteria for core sites but

where partnerships are undertaking speed camera enforcement for reasons of community concern or other exceptional reasons. Mobile exception sites should not be included in the monitoring tool.

Redundant – Old site definitions, which is kept on the database for local reference.

Coordinates

Map coordinates (Easting and Northing) for the start and end of the site. Please provide these with 6 digits. If, for some reason, you can only obtain this with a 5 digit accuracy, then please add a 0 to the end of the number.

Site Length

Length of road covered within the site. This should be specified in kilometres. For rules on site lengths, please refer to the Programme Handbook.

Operational Case Qualification Period (Start Date, End Date)

Period during which collisions and casualties should be / were monitored in order to evaluate the site.

This can only be edited for Potential Camera Sites. Once a site is approved, this is for information only.

Alternative Baseline Period (Start Date, End Date) – [Optional]

Alternative period for which a partnership can provide 'baseline information' to be used when evaluating the effect of the site. If an alternative baseline is specified, then this is applied by the v3 validation queries and reports.

Approval Hazards [Not shown for site of type 'Route']

The hazards that can apply at a site are

- High KSI per km (ie, above current criteria)
- High PIC per km (ie, above current criteria)
- Borderline KSI or PIC per km (1 KSI/km below or 2 PIC/km below current criteria)
- Evidence of speed problem from speed survey
- Evidence that local residents are concerned about speed (e.g. complaints, surveys, petitions)
- High casualties spread across a length of route rather than a specific location
- Proximity to vulnerable road users including children, horse riders, elderly

For more details on site approval, please refer to section *Operational Case Process*.

Pressing the 'Recalculate Hazards 1-3 for this site' button, will update hazards 1-3 based on the data currently specified on the database.

Sites Included in this Site

This lists the names of the sites that are included as part of this route or overlapped by this site. This is not editable. To allocate sites to routes, or indicate that a site is engulfed within another site, please select the appropriate site from the *Camera Site List* and use the field *Overlapping Site*.

Comment (Optional)

An optional field for any comments to the site.

2. Site History

The screenshot shows the 'Camera Site Information' form with the 'Site History' tab selected. The form is divided into two main sections: a list of camera sites on the left and details for the selected site on the right.

Camera Site List (Left):

ID	Name	Type
PA-3850	Site 083 - B1013 Southend Road, Hockley	Fixed
PA-3851	Site 084 - A120 Dunmow Road, Takeley (includ	Fixed
PA-3852	Site 085 B173 Lambourne Rd jw A1112 Gravel	Red-light
PA-3853	Site 086 - A1060 Rowwell Road, Chelmsford	Fixed
PA-3854	Site 087 - A1232 Ipswich Road, Colchester (inc	Fixed
PA-3855	Site 088 - A132 Nevendon Road, Wickford (inc	Fixed
PA-3856	Site 081 - B186 South Rd, Sth Ockendon (includ	Fixed
PA-3857	Site 089 - A132 Nevendon Road, Wickford (inc	Fixed
PA-3858	Site 077 A133 Cowdray Ave jw Mason Rd, Cok	Red-light
PA-3859	Site 091 A127 Southend Arterial Rd Leigh (includ	Fixed
PA-3860	Site 092 A127 Southend Arterial Rd Leigh	Fixed
PA-3861	Site 093 A127 Prince Ave Westcliff on Sea	Fixed
PA-3862	Site 094 A13 London Rd Leigh On Sea	Fixed
PA-3863	Site 095 A13 London Rd Leigh On Sea	Fixed
PA-3864	Site 096 Queensway Southend (includes site nu	Fixed
PA-3865	Site 097 - Panfield Lane, Braintree (Nr Kings R	Mobile
PA-3866	Site 082 - A132 Runwell Rd, Wickford	Fixed
PA-3867	Site 133 - Thorney Bay Road, Canvey Island	Mobile
PA-3868	Site 078 A1321 Broadmayne jw Southernhay, E	Red-light
PA-3869	Site 123 - Thorney Bay Road, Canvey Island (ir	Mobile
PA-3870	Site 125 - A130 Canvey Island (includes site nu	Mobile
PA-3871	Site 128 - Ashlyns Basildon (includes site numb	Mobile
PA-3872	Site 129 Felmores Basildon (includes site numb	Mobile
PA-3873	Site 130 - Long Riding, Basildon (near Thorringl	Mobile
PA-3874	Site 060 - A1016 Waterhouse Lane, Chelmsford	Fixed
PA-3875	Site 132 - Ashlyns, Basildon (includes site numb	Mobile
PA-3876	Site 061 - B1137 Springfield Road, Chelmsford	Fixed
PA-3877	Site 135 - Gosbecks Road, Colchester (includ	Mobile
PA-3878	Site 059 - B1009 Broomfield Road, Chelmsford	Fixed

Camera Locations (Right):

Fixed: ☒ PA-3856-01 Status: Active

Direction: 2-Way Easting: 559216 Northing: 181268 Equipment:
Twin-Location:
Comment:
Set new threshold for ALL camera sites ...

Camera Location History (Right):

Date	Event	Speed Limit	Enforcement Threshold
27-jul-01	8. Speed Limit	30	
27-jul-01	1. Established		
03-jun-02	2. Conspicuous		

The Camera Site History is located in the right half of the form and displays details for the site currently selected on the *Camera Site List*.

The form is divided into 2 main areas:

1. Camera Location List

This is located on the top right the form and displays the Camera Locations associated with the selected camera site.

Definition: Camera Location

A Camera Location is defined as a point of enforcement within a camera site, and all camera sites must have one or more Camera Locations associated.

For all types of fixed sites (fixed, red-light, time over distance) all physical housings within a site should be specified as individual camera locations and marked as *Fixed*.

For mobile sites, a minimum of one Camera Location should be specified per site.

In cases where mobile enforcement is taking place within a fixed site, a 'Mobile Camera Location' should also be specified.

The information shown and requested is:

Fixed

Is this a Fixed Camera Location?

Identifier

This is a user definable 100-character string uniquely identifying the location within the site. The string can consist of both numbers and text characters.

Status

Is this Location currently 'Active' or 'Inactive'. This is based on the *Location History*.

Direction [Only Fixed Locations]

Is this Location a 1-way or 2-way housing. For 2-way Locations, please create 2 Camera Locations (one representing each direction) and link them using the *Twin-Location* data field.

Map Coordinates (Easting, Northing)

Map coordinates where this Camera Location is located. Although this data is required for Fixed Locations only, it can be applied to record the location of hard standings for mobile sites as well.

Equipment [Only Fixed Locations]

Type of equipment used to enforce at this housing.

Twin-Location [Only 2-way Fixed Locations]

For 2-way Locations, please specify the 'twin-location' – i.e. the location representing the opposite direction. Please note, that you will have to define both of the camera locations representing the 2-way housing and specify that they are 2-way before you can match them.

Example: How to set up a 2-way housing within a site.

Site 101 contains a 2-way housing, which we wish to include on the database. We will have to do the following:

- a. Add Camera Location '101-eastbound' as a camera location.
- b. Indicate that this is a fixed location, by ticking the *Fixed* box.
- c. Indicate that it is part of a 2-way housing by selecting '2-way' in the *Direction* field.
- d. Repeat Steps A-C for Camera Location '101-westbound'.
- e. Select location '101-eastbound' and specify '101-westbound' in the *Twin-Location* field.
- f. Select location '101-westbound' and specify '101-eastbound' in the *Twin-Location* field.

2. Camera Location History

This is located in the bottom right of the form and displays the history for *Camera Location* currently selected in the *Camera Location List*. The history should be updated as appropriate.

The exact information shown and requested is:

Date

Date when a *Camera Location Event* occurred.

Event

Camera Location Event that occurred at the specified *Date*. The available events are:

Established – When evidence of the camera location (signage, poles, housing etc.)

is apparent to passing motorists

Conspicuous – When the camera location adheres to current visibility requirements (Only relevant for fixed sites established prior to June 2002).

Operational – When the camera location is operational and available for enforcement (power connected etc.).

Out of Operation – When the camera location is temporarily taken out of operation due to planned or unplanned circumstances (maintenance, vandalism etc.).

Reactivated – When the camera location is reinstated into 'active service' following a period of it being 'Out of Operation'.

Suspended – When the camera location is suspended awaiting decommissioning.

Decommissioned – When the camera location is physically decommissioned.

Speed Limit – Initial speed limit when establishing a site or when the speed limit changes at the camera location.

Enforcement Threshold - When the enforcement threshold at the camera location is changed.

Subsumed - When a site is subsumed into another site.

Speed Limit

Speed Limit in effect at the camera location (mph).

Enforcement Threshold

The speed at which this location is enforced - i.e. the lowest speed at which a vehicle has to travel in order to trigger the camera.

Comment (Optional)

Any comments relating to the Camera Location Event / occurrence.

Data Convention: Camera Location History

When defining a Camera Location you should (as a minimum) provide information on the following events:

- **Established**
- **Speed Limit**
- **Enforcement Threshold**

A button captioned 'Set new threshold for ALL camera sites...' Is located below the *Camera Site List* (on the left hand side of the form).

Pressing this button will activate a form enabling the user to change the enforcement threshold for all housings where a specified speed limit is in effect. Please note that only speed limits specified with a *Speed Limit* event will be updated.

This is described in more detail under *Batch Update of Enforcement Threshold*.

3. Batch update of Enforcement Threshold

New Enforcement Threshold

Set new threshold for all camera sites within a specified speed zone

- This function allows you to define a single new enforcement threshold and automatically apply it to ALL operational camera sites that have the specified speed zone.
- The Valid Since date specifies from when the new thresholds apply.
- The Speed Limit drop-down box allows you to select the speed zone across which you would like to apply the new enforcement threshold. Note that only speed limits for which there are Cameras are listed in the drop-down box.
- Note that any existing thresholds that have the same Valid Since Date, and correspond to cameras with the same Speed Limit, will NOT be updated.
- You can only update cameras for one speed zone (limit) at a time. Therefore return to this form and separately set new thresholds for each speed zone that has a new enforcement threshold.

Valid Since:

Speed Limit: mph

New Threshold: mph

Comment (optional):

OK Cancel

To perform a batch update of enforcement threshold the following steps should be carried out:

1. Specify the 'Valid Since' date from when the change in enforcement threshold was implemented.
2. Specify the speed limit for which to update the enforcement threshold. Please note that only speed limits specified with a *Speed Limit* history event will be updated. For more on history event, please refer to the *Site History* section.
3. Specify the new enforcement threshold
4. Type any comments.

On pressing 'OK' you will be prompted to confirm your action.

Upon confirmation, *Camera Location History* entries will be amended and updated to reflect the change in enforcement threshold:

The form will automatically close and return you to the Site History form.

4. Casualty History

For definitions of collisions and casualties, please refer to Section 3.1 of the 2005-06 Programme Handbook.

Camera Site Information

Operational Case Preview | Site Details | Site History | **Casualty History** | Speed and Traffic Flow | Enforcement History

Essex ID 42

ID	Name	Type	# Casualties						# Collisions						
			Fatals	Total	KSI	Ped.	Child	PIC	Total	KSI	Ped.	Child	PIC		
PA-3850	Site 083 - B1013 Southend Road, Hockley	Fixed													
PA-3851	Site 084 - A120 Dunmow Road, Takeley (inclu	Fixed													
PA-3852	Site 085 B173 Lambourne Rd jw A1112 Gravel	Red-light													
PA-3853	Site 086 - A1060 Rowwell Road, Chelmsford	Fixed													
PA-3854	Site 087 - A1232 Ipswich Road, Colchester (inc	Fixed													
PA-3855	Site 088 - A132 Nevendon Road, Wickford (inc	Fixed													
PA-3856	Site 081 - B186 South Rd, Sth Ockendon (incl	Fixed													
PA-3857	Site 089 - A132 Nevendon Road, Wickford (inc	Fixed													
PA-3858	Site 077 A133 Cowdray Ave jw Mason Rd, Col	Red-light													
PA-3859	Site 091 A127 Southend Arterial Rd Leigh (incl	Fixed													
PA-3860	Site 092 A127 Southend Arterial Rd Leigh	Fixed													
PA-3861	Site 093 A127 Prince Ave Westcliff on Sea	Fixed													
PA-3862	Site 094 A13 London Rd Leigh On Sea	Fixed													
PA-3863	Site 095 A13 London Rd Leigh on Sea	Fixed													
PA-3864	Site 096 Queensway Southend (includes site n	Fixed													
PA-3865	Site 097 - Panfield Lane, Braintree (Nr Kings R	Mobile													
PA-3866	Site 082 - A132 Runwell Rd, Wickford	Fixed													
PA-3867	Site 133 - Thorney Bay Road, Canvey Island	Mobile													
PA-3868	Site 078 A1321 Broadmayne jw Southernhay, E	Red-light													
PA-3869	Site 123 - Thorney Bay Road, Canvey Island (ir	Mobile													
PA-3870	Site 125 - A130 Canvey Island (includes site nu	Mobile													
PA-3871	Site 128 - Ashlyns Basildon (includes site numb	Mobile													
PA-3872	Site 129 Felmores Basildon (includes site numb	Mobile													
PA-3873	Site 130 - Long Riding, Basildon (near Thorring	Mobile													
PA-3874	Site 060 - A1016 Waterhouse Lane, Chelmsford	Fixed													
PA-3875	Site 132 - Ashlyns, Basildon (includes site numb	Mobile													
PA-3876	Site 061 - B1137 Springfield Road, Chelmsford	Fixed													
PA-3877	Site 135 - Gosbecks Road, Colchester (include	Mobile													
PA-3878	Site 069 - B1009 Rye Road, Chelmsford, Fixed	Fixed													

Prepopulate data for ALL camera sites ...

Start Date	End Date	Fatals	Total	KSI	Ped.	Child	PIC	Total	KSI	Ped.	Child
30-06-1997	30-06-2000	0	2	0	0	0			2	20	2
01-12-2002	31-12-2002	0	0	0	0	0			0	1	0
01-01-2003	31-01-2003	0	0	0	0	0			0	0	0
01-02-2003	28-02-2003	0	0	0	0	0			0	0	0
01-03-2003	31-03-2003	0	0	0	0	0			0	0	0
01-04-2003	30-04-2003	0	1	0	0	0			1	1	0
01-05-2003	31-05-2003	0	0	0	0	0			0	1	0
01-06-2003	30-06-2003	0	0	0	0	0			0	0	0
01-07-2003	31-07-2003	0	0	0	0	0			0	0	0
01-08-2003	31-08-2003	0	0	0	0	0			0	0	0
01-09-2003	30-09-2003	0	0	0	0	0			0	0	0
01-10-2003	31-10-2003	0	0	0	0	0			0	0	0
01-11-2003	30-11-2003	0	0	0	0	0			0	0	0
01-12-2003	31-12-2003	0	0	0	0	0			0	1	1
01-01-2004	31-01-2004	0	0	0	0	0			0	0	0
01-02-2004	29-02-2004	0	0	0	0	0			0	0	0
01-03-2004	31-03-2004	0	0	0	0	0			0	0	0
01-04-2004	30-04-2004	0	0	0	0	0			0	0	0
01-05-2004	31-05-2004	0	0	0	0	0			0	1	0
01-06-2004	30-06-2004	0	0	0	0	0			0	0	0

Comment

The Camera Site Casualty History form displays the casualty and collision data for the site currently selected on the *Camera Site List*.

The exact information shown and requested is:

Observation Period (Start Date – End Date)

The period for which the reported casualties and collisions occurred. The *Start Date* should always be the first day in the month, and the *End Date* should always be the last day of the month.

Fatals

Total number of people sustaining 'Fatal' injuries.

Total KSI Casualties

Total number of people sustaining 'Fatal' or 'Serious' injuries.

Pedestrian KSI Casualties

Total number of pedestrians sustaining 'Fatal' or 'Serious' injuries.

Child KSI Casualties

Total number of children sustaining 'Fatal' or 'Serious' injuries.

Total PIC Casualties

Total number of people sustaining 'Fatal', 'Serious', or 'Slight' injuries.

Pedestrian PIC Casualties

Total number of pedestrians sustaining 'Fatal', 'Serious', or 'Slight' injuries.

Child PIC Casualties

Total number of children sustaining 'Fatal', 'Serious', or 'Slight' injuries.

Total KSI Collisions

Total number of collisions leading to people sustaining 'Fatal' or 'Serious' injuries.

Total PIC Collisions

Total number of collisions leading to people sustaining 'Fatal', 'Serious', or 'Slight' injuries.

Pedestrian PIC Collisions

Total number of collisions leading to pedestrians sustaining 'Fatal', 'Serious', or 'Slight'.

Child PIC Collisions

Total number of collisions leading to children sustaining 'Fatal', 'Serious', or 'Slight' injuries.

Comment (Optional)

Any comments relating to the collision and casualty observations.

A button captioned 'Prepopulate data for All camera sites...' Is located below the *Camera Site List* (on the left hand side of the form).

Pressing this button will activate a form enabling the user to insert '0'-values for all casualty and collision data for all camera sites for a specified month.

This is described in more detail under *Prepopulating collision and casualty data*.

5. Prepopulating Collision and Casualty Data

Automatic Casualty and Collision Entries

Automatically create Casualty and Collision entries for ALL camera sites

OK Cancel

- This function allows you to automatically create new entries for ALL camera sites with at least 1 active location in the month specified below.
- Note that by default these new entries will all have '0' casualties.
- You can then manually amend those data where casualties/collisions have occurred.

Month:

To perform an automatic pre-population of casualties and collisions for all sites please specify the month for which to generate the entries and press 'OK'. Upon confirmation entries containing '0'-values will be generated for all sites with at least one active camera location.

The form will automatically close and return you to the Casualty History form.

6. Speed and Traffic Flow

The screenshot shows the 'Camera Site Information' form with the 'Speed and Traffic Flow' tab selected. The form is divided into several sections:

- Operational Case Preview**: Site Details, Site History, Casualty History, Speed and Traffic Flow (selected), Enforcement History.
- Essex ID 42**
- Camera Locations**: A table listing camera sites. The selected site is PA-3853-01, Site 086 - A1060 Roxwell Road, Chelmsford, Fixed, Status: Active.
- Speed Survey History**: A table showing speed survey data for the selected site. The data is for the year 2002, month December, with an average speed of 30, 85th percentile speed of 35, and a speed limit of 30.
- Update Speed Limit History for all camera sites**: A button located below the list.
- Comment**: Baseline Speed Survey - Please Correct Date.

ID	Name	Type
PA-3850	Site 083 - B1013 Southend Road, Hockley	Fixed
PA-3851	Site 084 - A120 Dunmow Road, Takeley (inclu	Fixed
PA-3852	Site 095 B173 Lambourne Rd jw A1112 Gravel	Red-light
PA-3853	Site 086 - A1060 Roxwell Road, Chelmsford	Fixed
PA-3854	Site 087 - A1232 Ipswich Road, Colchester (inc	Fixed
PA-3855	Site 088 - A132 Nevendon Road, Wickford (inc	Fixed
PA-3856	Site 081 - B186 South Rd, Sth Ockendon (incl	Fixed
PA-3857	Site 089 - A132 Nevendon Road, Wickford (inc	Fixed
PA-3858	Site 077 A133 Cowdray Ave jw Mason Rd, Colk	Red-light
PA-3859	Site 091 A127 Southend Arterial Rd Leigh (incl	Fixed
PA-3860	Site 092 A127 Southend Arterial Rd Leigh (incl	Fixed
PA-3861	Site 093 A127 Prince Ave Westcliff on Sea	Fixed
PA-3862	Site 094 A13 London Rd Leigh On Sea	Fixed
PA-3863	Site 095 A13 London Rd Leigh on Sea	Fixed
PA-3864	Site 096 Queensway Southend (includes site nu	Fixed
PA-3865	Site 097 - Panfield Lane, Braintree (Nr Kings R	Mobile
PA-3866	Site 082 - A132 Runwell Rd, Wickford	Fixed
PA-3867	Site 133 - Thorney Bay Road, Canvey Island	Mobile
PA-3868	Site 078 A1321 Broadmayne jw Southernhay, E	Red-light
PA-3869	Site 123 - Thorney Bay Road, Canvey Island (ir	Mobile
PA-3870	Site 125 - A130 Canvey Island (includes site nu	Mobile
PA-3871	Site 128 - Ashlyns Basildon (includes site numbe	Mobile
PA-3872	Site 129 Felmores Basildon (includes site numbe	Mobile
PA-3873	Site 130 - Long Riding, Basildon (near Thorning	Mobile
PA-3874	Site 060 - A1016 Waterhouse Lane, Chelmsford	Fixed
PA-3875	Site 132 - Ashlyns, Basildon (includes site numbe	Mobile
PA-3876	Site 061 - B1137 Springfield Road, Chelmsford	Fixed
PA-3877	Site 135 - Gosbecks Road, Colchester (include	Mobile
PA-3878	Site 059 - B1009 Runwell Rd, Wickford	Fixed

Year	Month	Average Speed	85th Percentile Speed	% Above Speed Limit	% More Than 15 mph Above Speed Limit	Average Daily Traffic 2-Way	Speed Limit
2002	December	30	35	38	0	16168	30
2003	February	27	30	8	0	15046	30
2003	August	27	30	8	0	14828	30
2004	February	26	30	5	0	14766	30
*							

The Camera Site Speed and Traffic Flow form displays the speed survey data for the site currently selected on the *Camera Site List*.

The form is divided into 2 main areas:

1. Camera Location List

This is located on the top right the form and displays the Camera Locations associated with the selected camera site. For details on the information shown on the list, please refer to the *Site History* section.

A button called 'Update Speed Limit History for all camera sites' is located below the list. Pressing this button will update all speed survey records with the correct speed limit based on the information in the site history. This will speed up the processing of validation and report queries.

2. Speed Survey History

This is located in the bottom right part of the form and displays the speed survey history for the currently selected *Camera Location*.

The exact information shown and requested is:

Year – Month

The period in which the speed survey was conducted.

Average Speed

The average speed of surveyed vehicles (mph).

85th Percentile Speed

The speed at which 85% of surveyed vehicles travel (mph)

% Above the speed limit

Percentage of surveyed vehicles that are travelling at a speed above the speed limit

% 15mph or more above the speed limit

Percentage of surveyed vehicles that are travelling at a speed 15 mph or more above the speed limit.

Average Daily traffic

Average Daily Traffic Flow measured over the survey period.

2Way

Is the specified traffic flow the sum of both directions?

Speed Limit

Speed limit at the time of the survey. To change this, please update the *Site History*.

Comment (Optional)

Any comments relating to the speed survey.

Map Coordinates (Easting, Northing) (Optional)

Map coordinates where this survey was undertaken.

NOTE: Speed Surveys

Although speed surveys are linked to a Camera Location (as opposed to directly to the Site) this does not indicate that you are required to carry out individual speed surveys for each location.

Guidelines for carrying out speed surveys can be found in the Programme Handbook (Section 6.3).

7. Enforcement History

Camera Site Information

Operational Case Preview | Site Details | Site History | Casualty History | Speed and Traffic Flow | Enforcement History | Essex ID 42

ID	Name	Type
PA-3850	Site 083 - B1013 Southend Road, Hockley	Fixed
PA-3851	Site 084 - A120 Dunmow Road, Takeley (includ	Fixed
PA-3852	Site 085 B173 Lambourne Rd jw A1112 Gravel	Red-light
PA-3853	Site 086 - A1060 Rowwell Road, Chelmsford	Fixed
PA-3854	Site 087 - A1232 Ipswich Road, Colchester (inc	Fixed
PA-3855	Site 088 - A132 Nevendon Road, Wickford (inc	Fixed
PA-3856	Site 081 - B186 South Rd, Sth Ockendon (includ	Fixed
PA-3857	Site 089 - A132 Nevendon Road, Wickford (inc	Fixed
PA-3858	Site 077 A133 Cowdray Ave jw Mason Rd, Col	Red-light
PA-3859	Site 091 A127 Southend Arterial Rd Leigh (includ	Fixed
PA-3860	Site 092 A127 Southend Arterial Rd Leigh	Fixed
PA-3861	Site 093 A127 Prince Ave Westcliff on Sea	Fixed
PA-3862	Site 094 A13 London Rd Leigh On Sea	Fixed
PA-3863	Site 095 A13 London Rd Leigh on Sea	Fixed
PA-3864	Site 096 Queensway Southend (includes site nu	Fixed
PA-3865	Site 097 - Panfield Lane, Braintree (Nr Kings Rd	Mobile
PA-3866	Site 082 - A132 Runwell Rd, Wickford	Fixed
PA-3867	Site 133 - Thorney Bay Road, Canvey Island	Mobile
PA-3868	Site 078 A1321 Broadmayne jw Southernhay, E	Red-light
PA-3869	Site 123 - Thorney Bay Road, Canvey Island (ir	Mobile
PA-3870	Site 125 - A130 Canvey Island (includes site nu	Mobile
PA-3871	Site 128 - Ashlyns Basildon (includes site numb	Mobile
PA-3872	Site 129 Felmores Basildon includes site numb	Mobile
PA-3873	Site 130 - Long Riding, Basildon (near Thorring)	Mobile
PA-3874	Site 060 - A1016 Waterhouse Lane, Chelmsford	Fixed
PA-3875	Site 132 - Ashlyns, Basildon (includes site numb	Mobile
PA-3876	Site 061 - B1137 Springfield Road, Chelmsford	Fixed
PA-3877	Site 135 - Gosbecks Road, Colchester (includ	Mobile
PA-3878	Site 089 - B1009 Runwell Rd, Wickford	Fixed

Set new threshold for ALL camera sites ...

Camera Locations

Fixed	Identifier	Status
☒	PA-3853-01	Active

Direction: 1-way | Easting: 569263 | Northing: 207501 | Equipment:

Location Enforcement History

Year	Month	#Hours	#Activations
2004	December	2016	
2004	September	1848	
2004	June	1848	
2004	March	2016	
2003	December	2184	
2003	September	1344	
2003	June	1512	
2003	March	2016	
2002	December	504	
*			

Comment This is calculated from v2 - 1 day is translated into 24 hours.

The Camera Site Enforcement History form displays the enforcement history for the site currently selected on the *Camera Site List*.

The form is divided into 2 main areas:

1. Camera Location List

This is located on the top right the form and displays the Camera Locations associated with the selected camera site. For details on the information shown on the list, please refer to the *Site History* section.

2. Enforcement History

This is located in the right half of the form and displays the enforcement history for the currently selected *Camera Location*.

Enforcement History data should be supplied with a monthly breakdown at *Camera Location* level.

The exact information shown and requested is:

Year – Month

The period for which the enforcement data is supplied.

#Hours

The number of hours during the specified period where active enforcement has taken place at this camera location - i.e. how many hours have a live camera unit been in operation at this camera location?

For fixed locations, the hours reported should be the total time (to nearest hour) from the camera unit is placed in the housing until it is removed.

Example:

A camera-unit is placed in a housing Monday 1pm and removed the following Wednesday at 11am. This should be reported as 46 hour of enforcement.

Activations

Total number of camera activations at this location in this month.

D. OPERATIONAL CASE SUBMISSION AND APPROVAL

When submitting the Operational Case for Programme Board approval, the back-end database should be submitted along with any other documentation required (as specified in the Programme Handbook).

Upon Operational Case approval, you will receive a NSCP Monitoring Tool update that will update the classification of your 'Proposed' sites to 'Core' status.

You are then required to update and provide the information for these sites as described in the section Ongoing Data Management and Submission.

1. Providing Operational Case Data

Once a proposed site is appended successfully, it will appear on the *Camera Site List*

In order to prepare the operational case for this site, you are now required to provide a minimum of 5 years worth of Collision History and Casualty History (in yearly records) as well as minimum one Speed and Traffic Flow survey.

The start and end dates of this 3-year *Operational Case Qualification Period* should be specified on the *Site Details* form. This period should correspond to the latest 3 yearly records of the 5 to be submitted.

The Speed survey should be no older than 12 months at the time of Operational Case Submission.

A preview of the operational case status for each site can be viewed on the *Operational Case Preview* form.

2. Operational Case Preview

Camera Site Information									
Operational Case Preview									
Site Details									
Site History									
Casualty History									
Speed and Traffic Flow									
Enforcement History									
London									
ID	Name	Type	Period	Site Length	Collision Criteria Points	KSI	Speed Criteria 85th percentile	#Housings /km	
6473	NW 11 A 0040	Route	Jan-90 to Dec-94	1,0	OK	OK		0,0	
CR-B-27010	A4020 Uxbridge Rd Nr Park View Rd W/I	Red-light	Jan-98 to Dec-00	0,1				20,0	
OK C5TH-23018	A3 Kingston Bypass j/w Huntley Way N/E	Fixed	Jan-90 to Dec-94	1,0	OK	OK	OK	1,0	

The *Operational Case Preview* form displays key operational case data for any proposed

sites within the partnership.

The exact information shown is

Site ID, Name, and Type

For more information on these fields please refer to *Camera Site Details*.

Operational Case Period

The period during which the site is to be evaluated.

Site Length

Length of road covered within the site in kilometres. For more information please refer to *Camera Site Details*.

Collisions Criteria (Points and KSI)

This is calculated based on the Site Collision History, the Operational Case Period, and the Proposed Site Length (both present on the *Camera Site Details* form).

If the site meets the current criteria an 'OK' will appear (one for PIC and one for KSI).

Speed Criteria (85th percentile speed)

Based on the latest Speed survey data from site (in the Operational Case Period) it is evaluated whether the site meets the criteria.

If the site meets the current criteria an 'OK' will appear (one for % Above, and one for 85th percentile speed)

Housings / km

Number of fixed housings per km.

If the site meets all required criteria, a green 'OK' will appear to the left of the 'Site ID' column.

For details on the Site Criteria, please refer to the Programme Handbook.

E. NATIONAL CONTACT INFORMATION

National Partnership Personnel and Contact Details						
Partnership	Role	Name	Email	Telephone	Mobile	
Lincolnshire	Treasurer	Adam Hillman	adam.hillman@hbs.uk.com	01522 836438		
West Mids	Communications Manager	Adam Warwick	a.warwick@west-midlands.police.uk	0121 6326 5232	07909 872864	
West Mids	Fol Lead	Adam Warwick	a.warwick@west-midlands.police.uk	0121 6326 5232	07909 872864	
Lancashire	Alternative Contact	Adrian Emberton	adrian.emberton@lancashire.pnn.police.uk	01254 299903		
Dorset	Partnership Chair	Adrian Whiting	adrian.whiting@dorset.pnn.police.uk	01305 223706		
Nottinghamshire	Data Manager	Al Thorn	al.thorn@nottscc.gov.uk	0115 977 4765		
South Yorkshire	Communications Manager	Alan Brailey	alan.brailey@southyorks.pnn.police.uk	0114 296 1228	07909 687610	
Warwickshire	Treasurer	Alan Bury	alanbury@warwickshire.gov.uk	01926 412724		
Leicestershire	Treasurer	Alan Tomlins	tomla001@leics.gov.uk	0116 252 7390		
Gloucestershire	Data Manager	Alexandra Luck	alexandra.luck@gloucestershire.gov.uk	01452 426451		
Nottinghamshire	Communications Manager	Alison Richards	alison.richards@nottinghamcity.gov.uk	0115 915 6147		
Surrey	Communications Manager	Andrea Murray	andrea.murray@surrey-safecam.org	020 8541 8954	07813 705351	
Surrey	Fol Lead	Andrea Murray	andrea.murray@surrey-safecam.org	020 8541 8954	07813 705351	
Surrey	Communications Manager	Andrea Murray	andrea.murray@surrey-safecam.org	020 8541 8954		
Kent and Medway	Data Manager	Andrew Harris	andrew.harris@atkinsglobal.com	01245 245136		
Kent and Medway	Partnership Chair	Andrew Harris	andrew.harris@atkinsglobal.com	01245 245136		
Kent and Medway	Project Manager	Andrew Harris	andrew.harris@atkinsglobal.com	01245 245136		
West Mids	Project Manager	Andrew Pearce	a.pearce@west-midlands.police.uk	0121 6326 5232	07909 872864	
Cambridgeshire	Fol Lead	Andy Chatfield	andy.chatfield@cambs.pnn.police.uk	01480 422588	07711 641532	
Cambridgeshire	Project Manager	Andy Chatfield	andy.chatfield@cambs.pnn.police.uk	01480 422588	07711 641532	
Cambridgeshire	Partnership Chair	Andy Chatfield	andy.chatfield@cambs.pnn.police.uk	01480 422588	07711 641532	
Cumbria	Project Manager's Assistant	Andy James	andy.james@cumbria.police.uk	01768 217747		
Mid and South Wales	Communications Manager	Angharad Neagle	a.neagle@neath-porttalbot.gov.uk	02920 633468	07973 159048	
West Yorkshire	Project Manager	Anne Millman	am20@westyorkshire.pnn.police.uk	01274 376800		
North Wales	Treasurer	Arwel Jones	dawjones@flintshire.gov.uk	01352 704910		
Programme Office	Programme Assurance Office	Barbara Foster	barbara.foster@dit.qsi.gov.uk		07917 077786	
Dorset	Treasurer	Barry Kyles	barry.kyles@bournemouth.gov.uk	01202 451246		
Programme Office	External Analyst	Ben Heydecker	ben@transport.ucl.ac.uk			

This form shows a list of contact information for all partnerships. The list can be sorted by partnership, role, and name by clicking the appropriate buttons at the top of the list.

The list is based on data located in the User Interface and can, as such, be updated by the programme office sending out a new version of the UI.

F. DATA VALIDATION AND REPORTING

Reporting Options **Run Report**

Data Validation **Management Information** **Data Validation Reports** **Show Report(s)** **Save Report(s) to file**

Select Partnership Area(s):

Essex 42

Select All Deselect All

Description

Suspicious Speed Survey Data	☒
Suspicious Collision and Casualty observations	☐
Large positive Collision and Casualty Effects	☐
Miracle Cure	☐
Overlapping Casualty History Periods	☐

Query Name: qVal_CameraSpeed_AllIssues

The Reporting form enables the user to extract information from the NSCP Data Monitoring Tool. The form is divided into 3 main areas:

1. Reporting Options Selector

This is located at the top left of the form and is used to toggle between the different types of reports available.

There are 2 types of reports available:

- *Data Validation Reports* - These are aimed at identifying missing or 'suspect' data in order to enhance the quality of the data.
- *Management Information Reports* - These are aimed at providing valuable information on camera sites, casualty trends, etc.

2. Run Report Panel

This is located at the top right of the form and is used to run the selected reports for the selected partnerships.

Pressing the *Show Report(s)* will generate the reports on screen, whereas pressing the *Save Report(s) to file* will save the reports as RTF formatted text files in the same folder on your computer as your NSCP v3 User Interface.

3. Partnership List

This list shows all partnerships areas in the current database and is used to select the partnership(s) for which to run one or more reports. The buttons, 'Select All' and 'Deselect All' will select or deselect all partnerships on the list.

4. Report List

When in Data Validation mode, this section displays a list of the reports available.

When in Management Information mode, this section also displays a number of buttons each providing access to a Management Information Report form.

The type of reports listed depends on the current setting of the *Reporting Options Selector*.

To generate a report, simply click the selector field to the right of the report name select the appropriate option in the *Run Report Panel*.

1. Validation Reports

A. SUSPICIOUS SPEED SURVEY DATA

This report will list speed survey observations where:

- Values are missing (avg speed, 85th percentile speed, % above, % 15mph above), or 0 (avg speed, 85th percentile speed)
- ([85th percentile speed] < [Speed Limit]) AND ([% above speed limit] > 15)
- ([85th percentile speed] < [Speed Limit] + 15) AND ([% 15 mph above speed limit] > 15)
- [85th percentile speed] <= [avg speed]
- ([% 15 mph above speed limit] >= [% above speed limit]) AND ([% 15 mph above speed limit] > 0)

B. SUSPICIOUS COLLISION AND CASUALTY OBSERVATIONS

This report will list collision and casualty observations where:

- there is a casualty but no corresponding collision - KSI (Total), and PIC (Total, Pedestrian, Child)
- there are more collisions than corresponding casualties - KSI (Total), and PIC (Total, Pedestrian, Child)
- there are more Child or Pedestrian PIC collisions than there is total
- there are more Child or Pedestrian casualties than there is total - KSI and PIC
- there are more fatals than KSI casualties, or more KSI casualties than PIC casualties

C. LARGE POSITIVE COLLISION AND CASUALTY EFFECTS

This report will list sites where the annual number of incidents in the 'after period' is down by more than 50% compared to the before period.

In order to be included in the evaluation, sites will have to have

- A minimum of 12 months of 'after' observations.

-
- A minimum number of incidents in either the baseline or 'after' period (PIC: 10, KSI: 3, Child PIC: 5, Child KSI: 3, Ped PIC: 5, Ped KSI: 3).

D. MIRACLE CURE

This report will list sites where either of the conditions below are met.

- Annual number of Personal Injury Collisions in the before period is > 5 and the annual equivalent in the 'after period' is 0 (minimum 12 months after data)
- Annual number of Personal Injury Casualties in the before period is > 5 and the annual equivalent in the 'after period' is 0 (minimum 12 months after data)
- Annual number of KSI Collisions in the before period is > 3 and the annual equivalent in the 'after period' is 0 (minimum 12 months after data)
- Annual number of KSI Casualties in the before period is > 3 and the annual equivalent in the 'after period' is 0 (minimum 12 months after data)

E. OVERLAPPING CASUALTY HISTORY PERIODS

This report will list collision and casualty observations that have overlapping time periods – e.g. if a site has a 3 year baseline period defined from 2000-01-01 to 2002-12-31 while also having a record for the period 2001-08-1 to 2001-08-31.

F. INCOMPLETE CAMERA LOCATION HISTORY

This report will list Sites and Camera Locations which does not have the minimum required Location History specified. As a minimum, Locations are expected to have the following events recorded in their history:

- 1. Established
- 8. Speed Limit
- 9. Enforcement Threshold

G. PROPOSED SITES MISSING DATA

This report will list Proposed Sites which does not have the minimum required data specified. As a minimum, Proposed sites are expected to have the following data:

- Speed Survey carried out in the Operational Case Period
- 5 yearly collision and casualty history records
- Operational Case Period defined as a 3-year period covering 3 of the collision and casualty history records.

2. Management Information Reports

A. SITE LIST

This report will provide a list of sites with annualised collisions and casualties.

B. PARTNERSHIP WIDE COLLISION AND CASUALTY OVERVIEW

This report provides an overview of collision and casualties that have occurred at established camera sites (i.e. not including 'baseline' or 'pre-camera' numbers) for each partnership. The numbers exclude sites specified to be within the area of another site in order to avoid double counting.

C. PARTNERSHIP SITE COUNT

This report provides a count of sites by financial year.

D. OPERATIONAL CASE – LIST OF PROPOSED SITES

This report provides a list of proposed sites with the data required to approve them. This includes a graphical representation of the 5 yearly collision and casualty records.

E. SITE RANKING

Ranking Criteria	Weight
Fatal casualties	2
KSI casualties	1
PIC casualties	1
KSI collisions	1
PIC collisions	1
Fatal casualties / km	1
KSI casualties / km	1
PIC casualties / km	1
KSI collisions / km	1
PIC collisions / km	1

Ranking Period

☐ Site Baseline
☒ Common period

From:
To:

Rank sites

Site ID	Site Name	Start Date	End Date	Total Score
CR---09022	Clapham Rd j/w Stockwell Rd S/B SW9 (4051)	01-jan-98	31-dec-00	1155
CR---09023	Brixton Rd j/w Caldwell St N/B SW9 (4056)	01-jan-98	31-dec-00	588
CR-B-00001	Long Lane / Aldersgate Street (C28)	01-jan-98	31-dec-00	336
CR-B-00002	London Wall / Wood Street (C55)	01-jan-98	31-dec-00	105
CR-B-00003	Canomile Street / Bishopsgate (C25)	01-jan-98	31-dec-00	546
CR-B-00004	Bishopsgate / Houndsditch (C46)	01-jan-98	31-dec-00	273
CR-B-00005	Byward Street / Great Tower Street (C36)	01-jan-98	31-dec-00	402
CR-B-00006	Upper Thames Street / Queen Street (C15)	01-jan-98	31-dec-00	400
CR-B-00007	Victoria Embankment / Temple Avenue (C05)	01-jan-98	31-dec-00	441
CR-B-00008	Fleet Street / Fetter Lane (C31)	01-jan-98	31-dec-00	294
CR-B-00009	Newgate Street / Old Bailey (C08)	01-jan-98	31-dec-00	210
CR-B-00010	Minories / Crosswall (C03)	01-jan-98	31-dec-00	84
CR-B-00011	New Bridge Street / Queen Victoria Street (C06)	01-jan-98	31-dec-00	399
CR-B-00012	Farringdon Street / Stonecutter Street (C27)	01-jan-98	31-dec-00	462
CR-B-01001	A202 Bessborough Gdns j/w Millbank S/B SW1 (8027)	01-jan-98	31-dec-00	925
CR-B-01004	The Strand / Melbourne Pl W/B WC2 (8023)	01-jan-98	31-dec-00	567
CR-B-01007	A5204 Seymour St / Gt Cumberland Pl W/B NW1 (8008)	01-jan-98	31-dec-00	126
CR-B-01008	A4201 Regent St / A40 Oxford St N/B W1 (8011)	01-jan-98	31-dec-00	1638
CR-B-01010	A4201 Langham Pl / Mortimer St S/B W1 (8010)	01-jan-98	31-dec-00	126

The Camera Site Ranking report allows you to rank sites on a combination of collision and casualty parameters.

When using the report, please make sure that your partnership is selected in the *Select Partnership* drop-down list.

Below this list, the *Ranking Criteria* are listed. In this section you should specify the weight to assign each of the criteria when ranking the sites. If a criterion should not be included in the calculation, the *Weight* field should be left blank.

At the bottom left, you should specify the period over which to evaluate the sites. There are two options:

A. Site Baseline.

Selecting this will evaluate each site during its *Operational Case Qualification Period* (or *Alternative Baseline Period* if one is defined) – i.e. sites will not necessarily be measured over the same period of time.

B. Common Period.

Selecting this will enable you to specify a common period over which all sites will be evaluated. Only collision and casualty observations, which are entirely within the selected period, will be included in the calculation.

When you are satisfied with your selections, please press the *Rank Sites* button.

The resulting site ranking will appear on the right side of the form, where it can be ordered by Site ID, Name, or Rank.

F. SITE EFFECT

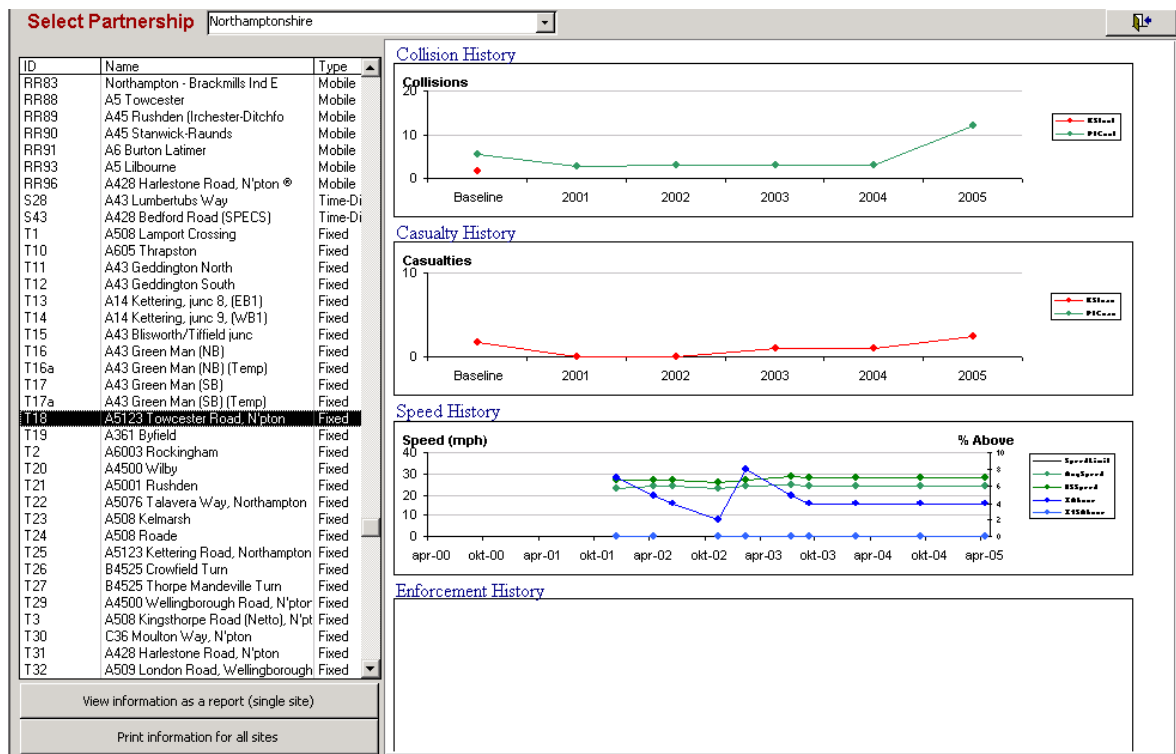
Select Partnership		London															
Select Incidents to Investigate																	
Casualties		Fatal	All KSI	Ped KSI	Child KSI	All PIC	Ped PIC	Child PIC	Collisions		All KSI	All PIC	Ped PIC	Child PIC			

The Camera Site Effect report allows you to rank sites on the absolute and annualized number of collision and casualty incidents as well as the effect in reducing these.

When using the rapport, please make sure that your partnership is selected in the *Select Partnership* drop-down list.

Below this list, please select the *Incident Type*, which you want to look at.

G. 1-PAGE SITE OVERVIEW



The 1-page Site Overview report provides an 'at a glance'-view of the enforcement levels and effect of an individual camera site.

When using the rapport, please make sure that your partnership is selected in the *Select Partnership* drop-down list.

Below this list, please select the *Camera Site*, which you want to look at. On the right hand site, the report will show the following over time:

- Annualized collisions
- Annualized casualties
- History of speed surveys
- Annualized enforcement levels

Below the Camera Site List, there are two buttons:

- View information as a report (single site)
Pressing this button will display a 1-page Overview in a MS Access report format for the currently selected site.
- Print information for all sites
Pressing this button will print of a 1-page Overview report for each site in the selected partnership.

G. DATABASE ADMINISTRATION

The NSCP Data Monitoring Tool has been set up on a Microsoft Access 2000 database.

The Tool consists of two separate MS Access files:

- The User Interface (UI) [NSCP UI v3.mde], and
- The back-end [Partnership Name NSCP v3 Data.mdb].

These can be co-located in the same folder on the same computer, or the back-end can be located on a shared drive or server (Please note that locating the back-end on a shared drive or server can slow down the application).

In either case multiple instances of the UI can be linked to the same back-end database.

1. Database Administration Form

The screenshot shows a Windows-style application window titled "Database Administration". The window has a blue title bar. Below the title bar, there is a red-bordered section titled "Specify Location of Back-End Database". Inside this section, there is a label "Back-End Database" next to a text box containing the path "C:\MyClients\DfT Safety Cameras\wNew\w3\Lancashire v3 Data.mdb". To the right of the text box is a "Browse..." button. Below the text box is a "Status Message" label next to an empty text box. To the right of the status message box is a "Compact Back-End Database" button. Below the red-bordered section is another red-bordered section titled "Programme Office Data and Knowledge Manager Contact Details". This section contains contact information for David Hammond, including his name, email address (David.Hammond@df.t.gsi.gov.uk), telephone number (020 7944 6436), and a field for his mobile number.

The Database Administration form enables the user to specify and locate the back-end database file currently used by the NSCP Data Monitoring Tool.

The *Back-End Database* field shows the complete path to the current back-end database file.

If the specified file cannot be located by the system, the path will be marked **red**.

To connect to a different file, press the 'Browse..' button to the right, and locate the file.

Below the 'Browse...' button, a button named ' Compact Back-End Database' is located.

Pressing this button will cause the system to 'clean up' the back-end database and minimise the size of the file.

Doing this will automatically close this form and return the user to the Switchboard

At the bottom of the form, contact information for the Programme Office Data and Knowledge Manager can be found.

III. NEW DATA ELEMENTS REQUESTED IN V3

The purpose of this section is to highlight the data elements requested in v3, which have not been requested in previous versions of the data-monitoring tool. The section is structured to match the forms of the user interface.

A. PARTNERSHIP DATA

- Partnership Details
This data requirement is new to the data monitoring tool.
- Partnership contact information
This data requirement is new to the data monitoring tool
- Camera Equipment in Operation
This data requirement is completely new, but should be readily available within partnerships.
- Partnership-wide Exception Enforcement
This data requirement is completely new, but should be readily available within partnerships.
- Public Attitude Survey
In order to improve the value of this information, the following new data requirements have been added:
 - o Survey Method
 - o Target Group
 - o Sample size
 - o # Respondents

B. CAMERA SITE DATA

- **Site Details**

The following new data requirements have been added:

- o Overlapping Site (where applicable)
- o Site Located on Trunk Road
- o Date Approved
- o Site Class
- o Site Coordinates
This is not completely new, but has been expanded from one point to start and endpoint.
- o Operational Case Qualification Period
- o Alternative Baseline Period (Optional)
- o Approval Hazards

- **Camera Locations / Site History**

- o Direction (for fixed camera locations)
- o Housing Coordinates

- **Collision and Casualty History**

- o Fatal Casualties
- o KSI Collisions
- o Personal Injury Casualties (total, child, pedestrian)

- **Speed and Traffic Flow**

- o 2-way traffic flow
- o Speed Survey Location Coordinates (optional)

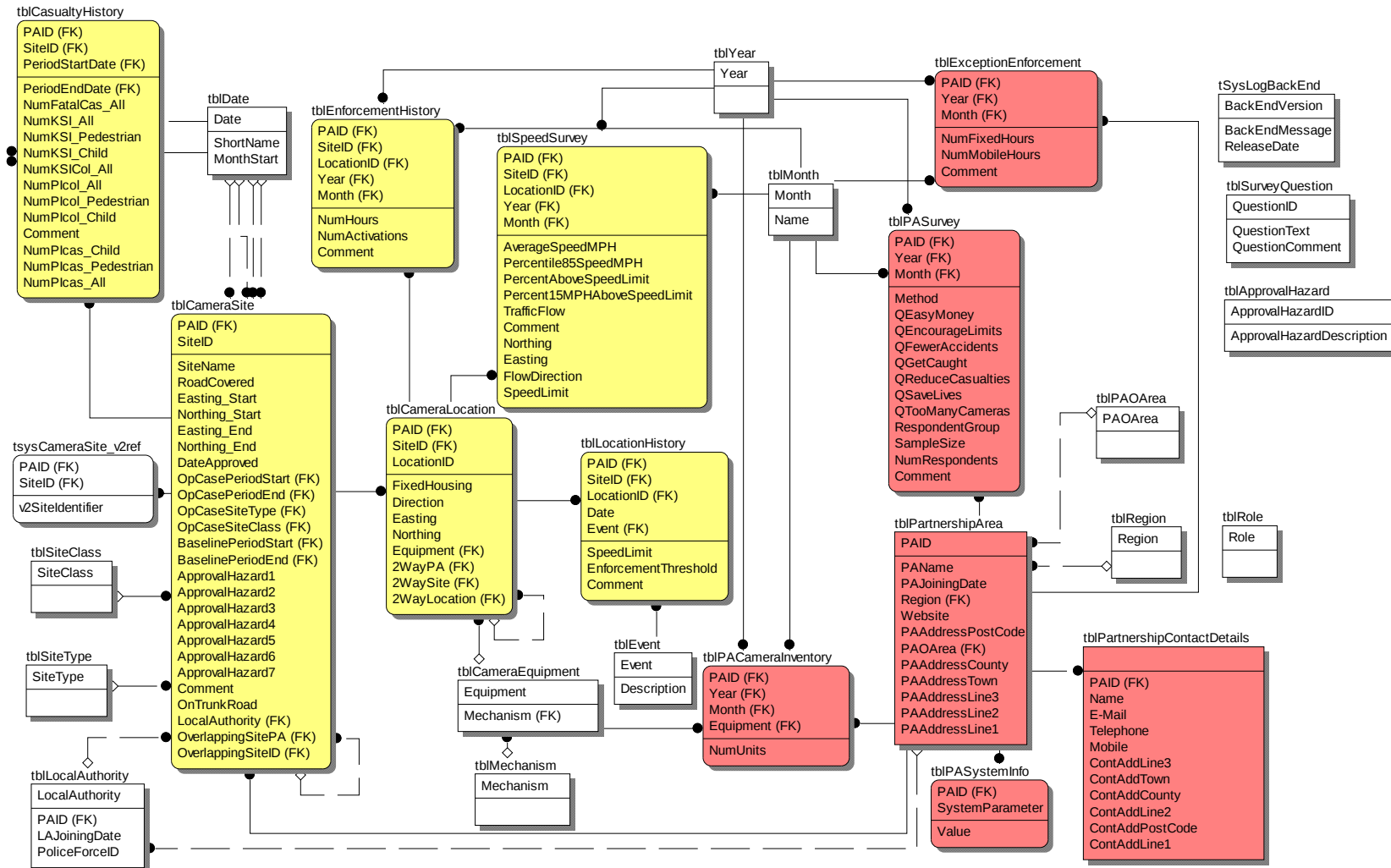
- **Enforcement history**

- o #Activations

IV. FREQUENTLY ASKED QUESTIONS

Question	Answer
How do we deal with sites that are not enforced for extended periods of time?	Unless the site is decommissioned, collision and casualty data should still be supplied. The lack of enforcement should be apparent from the enforcement effort numbers.
Site Naming Convention – Why do we need the separators?	Standard separators will enable the search for all sites on a given road for instance.
Observation Period – does it have to start on the 1 st and end on the last day of the month?	Yes.
Enforcement History – What if we cannot get this data historically?	It is recognised that obtaining historical data is not always possible. You are encouraged and expected to 'get what you can with a reasonable effort'. If you have previously used 'rules of thumb' to estimate this number, it is up to you whether you think the numbers are 'good enough' to be included.
Direction of Mobile Locations	These are assumed to be bi-directional
Do we have to supply grid references for speed surveys?	No – these are optional
What does 'Suspended' mean?	Taken out of operation and awaiting decommissioning
When I add a Location it is always 'Inactive'?	It is inactive until you have specified an 'Established' event
When can I delete a camera site from the database	You should NEVER delete a camera site from the db. Even when the site is decommissioned, the historical data is worth keeping.
When is a camera deemed to be 'out of action'	If the camera defect is such that its presence would not have an effect on driver behaviour.

APPENDIX A: NSCP V3 DATA MODEL



Table

Table	
Name	Comment
tblApprovalHazard	
tblCameraEquipment	
tblCameraLocation	
tblCameraSite	
tblCasualtyHistory	
tblDate	
tblEnforcementHistory	
tblEvent	
tblExceptionEnforcement	
tblLocalAuthority	
tblLocationHistory	
tblMechanism	
tblMonth	
tblPACameraInventory	
tblPAOArea	
tblPartnershipArea	
tblPartnershipContactDetails	
tblPASurvey	
tblPASystemInfo	
tblRegion	
tblRole	
tblSiteClass	

Table	
Name	Comment
tblSiteType	
tblSpeedSurvey	
tblSurveyQuestion	
tblYear	
tsysCameraSite_v2ref	
tSysLogBackEnd	Basic System

Column(s) of "tblApprovalHazard" Table			
Name	Datatype	Null Option	Comment
ApprovalHazardID	Integer	NOT NULL	Hazard leading to camera installation
ApprovalHazardDescription	Text(255)	NULL	

Column(s) of "tblCameraEquipment" Table			
Name	Datatype	Null Option	Comment
Equipment	Text(50)	NOT NULL	Camera Equipment (supplier and model)
Mechanism	Text(25)	NULL	Technical application of this equipment: Fixed Mobile Speed-Distance Red-light RL-SpeedOnGreen

Column(s) of "tblCameraLocation" Table			
Name	Datatype	Null Option	Comment

Column(s) of "tblCameraLocation" Table			
Name	Datatype	Null Option	Comment
PAID	Integer	NOT NULL	Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]
SiteID	Text(10)	NOT NULL	Partnership unique site identifier.
LocationID	Text(100)	NOT NULL	Unique Identifier for this Camera Location. One location is required for each fixed housing. Additionally, a minimum of one location is required if there is mobile enforcement at the site. If the site spans multiple speed limits and there is mobile enforcement, then a minimum of one location is required per speed limit zone.
FixedHousing	Yes/No	NOT NULL	Yes: This is a fixed housing. No: This represents one or more mobile locations.
Direction	Text(15)	NULL	Enforcement Direction of housing (One-Way, Bi-Directional)
Easting	Long Integer	NULL	Easting coordinate of this location (only required for fixed housings)
Northing	Long Integer	NULL	Northing coordinate of this location (only required for fixed housings)
Equipment	Text(50)	NULL	Camera Equipment (supplier and model) used at this location (only relevant for fixed housings).
2WayPA	Integer	NULL	
2WaySite	Text(10)	NULL	
2WayLocation	Text(100)	NULL	

Column(s) of "tblCameraSite" Table			
Name	Datatype	Null Option	Comment
PAID	Integer	NOT NULL	Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]
SiteID	Text(10)	NOT NULL	Partnership unique site identifier.
SiteName	Text(255)	NULL	Name describing the location of this site. This should follow a naming convention issued by the programme office.
RoadCovered	Single	NULL	Site length quoted in the operational case (km). Only collisions within this length should be reported on the database.
Easting_Start	Long Integer	NULL	Easting grid reference of the start of this site. Initially, this will be taken from the existing Easting value.

Column(s) of "tblCameraSite" Table			
Name	Datatype	Null Option	Comment
Northing_Start	Long Integer	NULL	Northing grid reference of the start of this site. Initially, this will be taken from the existing Northing value.
Easting_End	Long Integer	NULL	Easting grid reference of the end of this site. Initially, this will be set to 0.
Northing_End	Long Integer	NULL	Northing grid reference of the end of this site. Initially, this will be set to 0.
DateApproved	Date/Time	NULL	Date from which this site was approved to operate under cost recovery.
OpCasePeriodStart	Date/Time	NULL	First day in the period used to supply collision data for the operational case.
OpCasePeriodEnd	Date/Time	NULL	Last day in the period used to supply collision data for the operational case.
OpCaseSiteType	Text(10)	NULL	Type of site that was approved in the operational case.
OpCaseSiteClass	Memo	NULL	Classification of the site: Potential Approved Exception Redundant
BaselinePeriodStart	Date/Time	NULL	First day of the baseline period for this site. Default, this is assumed to be identical to the OpCasePeriodStart.
BaselinePeriodEnd	Date/Time	NULL	Last day of the baseline period for this site. Default, this is assumed to be identical to the OpCasePeriodEnd.
ApprovalHazard1	Yes/No	NULL	Did Approval Hazard 1 apply when this site was installed?
ApprovalHazard2	Yes/No	NULL	Did Approval Hazard 2 apply when this site was installed?
ApprovalHazard3	Yes/No	NULL	Did Approval Hazard 3 apply when this site was installed?
ApprovalHazard4	Yes/No	NULL	Did Approval Hazard 4 apply when this site was installed?
ApprovalHazard5	Yes/No	NULL	Did Approval Hazard 5 apply when this site was installed?
ApprovalHazard6	Yes/No	NULL	Did Approval Hazard 6 apply when this site was installed?
ApprovalHazard7	Yes/No	NULL	Did Approval Hazard 7 apply when this site was installed?
Comment	Memo	NULL	Comments (optional)
OnTrunkRoad	Yes/No	NULL	Is this site located on a trunk road?
LocalAuthority	Text(100)	NULL	

Column(s) of "tblCameraSite" Table			
Name	Datatype	Null Option	Comment
OverlappingSitePA	Integer	NULL	Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]
OverlappingSiteID	Text(10)	NULL	Partnership unique site identifier.

Column(s) of "tblCasualtyHistory" Table			
Name	Datatype	Null Option	Comment
PAID	Integer	NOT NULL	Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]
SiteID	Text(10)	NOT NULL	Partnership unique site identifier.
PeriodStartDate	Date/Time	NOT NULL	First day of the period for which this data applies.
PeriodEndDate	Date/Time	NOT NULL	Last day of the period for which this data applies.
NumFatalCas_All	Integer	NULL	# Fatal casualties at this site in this period
NumKSI_All	Integer	NULL	Number of people killed or seriously injured in this period
NumKSI_Pedestrian	Integer	NULL	Number of pedestrians killed or seriously injured in this period
NumKSI_Child	Integer	NULL	Number of children killed or seriously injured in this period
NumKSIcol_All	Integer	NULL	# Collisions leading to fatal or serious injuries at this site in this period
NumPIcol_All	Integer	NULL	Number of Personal Injury Collisions in this period.
NumPIcol_Pedestrian	Integer	NULL	Number of collisions causing personal injury to pedestrians in this period.
NumPIcol_Child	Integer	NULL	Number of collisions causing personal injury to children in this period.
Comment	Memo	NULL	Any comment (optional)
NumPICas_Child	Integer	NULL	Number of children injured in this period
NumPICas_Pedestrian	Integer	NULL	Number of pedestrians injured in this period
NumPICas_All	Integer	NULL	Number of people injured in this period

Column(s) of "tblDate" Table			
Name	Datatype	Null Option	Comment
Date	Date/Time	NOT NULL	Date of first and last day in a month (e.g. 2005-01-01 or 2005-

Column(s) of "tblDate" Table			
Name	Datatype	Null Option	Comment
			01-31).
ShortName	Text(15)	NOT NULL	Short Name for this month (e.g. Jan 2005)
MonthStart	Yes/No	NOT NULL	Yes: Start of Month No: End of Month Used to show only the relevant dates in the UI.

Column(s) of "tblEnforcementHistory" Table			
Name	Datatype	Null Option	Comment
PAID	Integer	NOT NULL	Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]
SiteID	Text(10)	NOT NULL	Partnership unique site identifier.
LocationID	Text(100)	NOT NULL	Unique Identifier for this Camera Location. One location is required for each fixed housing. Additionally, a minimum of one location is required if there is mobile enforcement at the site. If the site spans multiple speed limits and there is mobile enforcement, then a minimum of one location is required per speed limit zone.
Year	Integer	NOT NULL	
Month	Integer	NOT NULL	
NumHours	Single	NULL	Number of hours that this site has been enforced (live camera present) in this period. For fixed sites this is calculated using 24hour days.
NumActivations	Long Integer	NULL	Number of activations registered at this location in this period.
Comment	Memo	NULL	Any comment (optional)

Column(s) of "tblEvent" Table			
Name	Datatype	Null Option	Comment
Event	Text(25)	NOT NULL	Specific events in the life of a camera site: Established Approved

Column(s) of "tblEvent" Table			
Name	Datatype	Null Option	Comment
			PaintedYellow Suspended Reactivated Decommissioned SpeedLimit EnforcementThreshold Subsumed
Description	Text(50)	NULL	

Column(s) of "tblExceptionEnforcement" Table			
Name	Datatype	Null Option	Comment
PAID	Integer	NOT NULL	Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]
Year	Integer	NOT NULL	
Month	Integer	NOT NULL	
NumFixedHours	Single	NOT NULL	Total number of camera-hours of fixed exception enforcement in this period
NumMobileHours	Single	NOT NULL	Total number of camera-hours of mobile exception enforcement in this period.
Comment	Memo	NULL	

Column(s) of "tblLocalAuthority" Table			
Name	Datatype	Null Option	Comment
LocalAuthority	Text(100)	NOT NULL	
PAID	Integer	NULL	Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]
LAJoiningDate	Date/Time	NULL	
PoliceForceID	Integer	NOT NULL	

Column(s) of "tblLocationHistory" Table			
---	--	--	--

Name	Datatype	Null Option	Comment
PAID	Integer	NOT NULL	Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]
SiteID	Text(10)	NOT NULL	Partnership unique site identifier.
LocationID	Text(100)	NOT NULL	Unique Identifier for this Camera Location. One location is required for each fixed housing. Additionally, a minimum of one location is required if there is mobile enforcement at the site. If the site spans multiple speed limits and there is mobile enforcement, then a minimum of one location is required per speed limit zone.
Date	Date/Time	NOT NULL	
Event	Text(20)	NOT NULL	Specific events in the life of a camera site: Established Approved PaintedYellow Suspended Reactivated Decommissioned SpeedLimit EnforcementThreshold Subsumed
SpeedLimit	Text(10)	NULL	Speed limit at this location from this date.
EnforcementThreshold	Integer	NULL	Speed limit enforcement threshold (mph) at this location from this date.
Comment	Memo	NULL	

Column(s) of "tblMechanism" Table			
Name	Datatype	Null Option	Comment
Mechanism	Text(25)	NOT NULL	Technical application of this equipment: Fixed Mobile Speed-Distance

Column(s) of "tblMechanism" Table			
Name	Datatype	Null Option	Comment
			Red-light RL-SpeedOnGreen

Column(s) of "tblMonth" Table			
Name	Datatype	Null Option	Comment
Month	Integer	NOT NULL	
Name	Text(15)	NULL	

Column(s) of "tblPACameraInventory" Table			
Name	Datatype	Null Option	Comment
PAID	Integer	NOT NULL	Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]
Year	Integer	NOT NULL	
Month	Integer	NOT NULL	
Equipment	Text(50)	NOT NULL	Camera Equipment (supplier and model)
NumUnits	Integer	NULL	Number of units of this type of equipment in operation in the Partnership Area. As a minimum, this should be updated annually.

Column(s) of "tblPAOArea" Table			
Name	Datatype	Null Option	Comment
PAOArea	Text(50)	NULL	

Column(s) of "tblPartnershipArea" Table			
Name	Datatype	Null Option	Comment
PAID	Integer	NOT NULL	Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]
PAName	Text(30)	NOT NULL	Partnership Area (PA) Name

Column(s) of "tblPartnershipArea" Table			
Name	Datatype	Null Option	Comment
PAJoiningDate	Date/Time	NULL	The date when this partnership joined Cost Recovery. For partnerships where different local authorities have joined at different times, this shows the original date.
Region	Text(25)	NULL	Region that this partnership is part of
Website	Text(255)	NULL	Principal website used by the partnership
PAAddressPostCode	Text(10)	NULL	
PAOArea	Text(50)	NULL	
PAAddressCounty	Text(50)	NULL	
PAAddressTown	Text(50)	NULL	
PAAddressLine3	Text(250)	NULL	
PAAddressLine2	Text(250)	NULL	
PAAddressLine1	Text(250)	NULL	

Column(s) of "tblPartnershipContactDetails" Table			
Name	Datatype	Null Option	Comment
PAID	Integer	NOT NULL	Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]
Name	Text(100)	NOT NULL	Name of individual filling this role for this PA
E-Mail	Memo	NULL	
Telephone	Text(30)	NULL	Business telephone number of this individual.
Mobile	Text(30)	NULL	Business mobile telephone number of this individual
ContAddLine3	Text(250)	NULL	
ContAddTown	Text(50)	NULL	
ContAddCounty	Text(50)	NULL	
ContAddLine2	Text(250)	NULL	
ContAddPostCode	Text(10)	NULL	
ContAddLine1	Text(250)	NULL	

Column(s) of "tblPASurvey" Table			
Name	Datatype	Null Option	Comment
PAID	Integer	NOT NULL	Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]
Year	Integer	NOT NULL	
Month	Integer	NOT NULL	
Method	Text(50)	NULL	Survey Method: Phone Interview Face-to-face Interview Other...
QEasyMoney	Double	NULL	Percentage agreeing question "Cameras are an easy way of making money out of motorists"
QEncourageLimits	Double	NULL	Percentage agreeing question "Cameras are meant to encourage drivers to keep to the limits, not punish them"
QFewerAccidents	Double	NULL	Percentage agreeing question "Fewer accidents are likely to happen on roads where cameras are installed"
QGetCaught	Double	NULL	Percentage agreeing question "Cameras mean that dangerous drivers are now more likely to get caught"
QReduceCasualties	Double	NULL	Percentage agreeing question "The use of safety cameras should be supported as a method of reducing casualties"
QSaveLives	Double	NULL	Percentage agreeing question "The primary aim of safety cameras is to save lives"
QTooManyCameras	Double	NULL	Percentage agreeing question "There are too many safety cameras in our local area"
RespondentGroup	Text(50)	NULL	Whom was the survey targetted at: General Public Drivers Other...
SampleSize	Long Integer	NULL	
NumRespondents	Long Integer	NULL	Number of respondents that the percentages are based on.
Comment	Memo	NULL	

Column(s) of "tblPASystemInfo" Table			
Name	Datatype	Null Option	Comment
PAID	Integer	NOT NULL	Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]

Column(s) of "tblPASystemInfo" Table			
Name	Datatype	Null Option	Comment
SystemParameter	Text(30)	NOT NULL	
Value	Text(30)	NULL	

Column(s) of "tblRegion" Table			
Name	Datatype	Null Option	Comment
Region	Text(25)	NOT NULL	Safety Camera Partnership Region

Column(s) of "tblRole" Table			
Name	Datatype	Null Option	Comment
Role	Text(30)	NOT NULL	

Column(s) of "tblSiteClass" Table			
Name	Datatype	Null Option	Comment
SiteClass	Text(50)	NOT NULL	Classification of the site: Potential Approved Exception Redundant

Column(s) of "tblSiteType" Table			
Name	Datatype	Null Option	Comment
SiteType	Text(10)	NOT NULL	Type of site: Fixed Mobile Red-light

Column(s) of "tblSiteType" Table			
Name	Datatype	Null Option	Comment
			Time-Distance Route

Column(s) of "tblSpeedSurvey" Table			
Name	Datatype	Null Option	Comment
PAID	Integer	NOT NULL	Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]
SiteID	Text(10)	NOT NULL	Partnership unique site identifier.
LocationID	Text(100)	NOT NULL	Unique Identifier for this Camera Location. One location is required for each fixed housing. Additionally, a minimum of one location is required if there is mobile enforcement at the site. If the site spans multiple speed limits and there is mobile enforcement, then a minimum of one location is required per speed limit zone.
Year	Integer	NOT NULL	
Month	Integer	NOT NULL	
AverageSpeedMPH	Single	NULL	Average Speed (mph)
Percentile85SpeedMPH	Single	NULL	85th percentile speed (mph)
PercentAboveSpeedLimit	Single	NULL	Percent of drivers above speed limit
Percent15MPHAboveSpeedLimit	Single	NULL	Percent of drivers more than 15 mph above speed limit
TrafficFlow	Long Integer	NULL	Average Daily Traffic Flow at this Site (measured over the survey period).
Comment	Memo	NULL	Any Comments (optional)
Northing	Long Integer	NULL	
Easting	Long Integer	NULL	
FlowDirection	Text(5)	NULL	Direction of the trafficflow provided: 1-way 2-way
SpeedLimit	Integer	NULL	

Column(s) of "tblSurveyQuestion" Table			
Name	Datatype	Null Option	Comment
QuestionID	Text(20)	NULL	Question Code (= field name in questionnaire data table)
QuestionText	Text(100)	NULL	The actual question
QuestionComment	Text(100)	NULL	Any comment

Column(s) of "tblYear" Table			
Name	Datatype	Null Option	Comment
Year	Integer	NOT NULL	

Column(s) of "tsysCameraSite_v2ref" Table			
Name	Datatype	Null Option	Comment
PAID	Integer	NOT NULL	Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]
SiteID	Text(10)	NOT NULL	Partnership unique site identifier.
v2SiteIdentifier	Text(255)	NULL	Unique identifier (CameraName) used for this site in v2 of the monitoring tool.

Column(s) of "tSysLogBackEnd" Table			
Name	Datatype	Null Option	Comment
BackEndVersion	Double	NOT NULL	Version (where a higher number indicates a more recent version than a lower number).
BackEndMessage	Memo	NOT NULL	Short description of changes/improvements introduced in this version.
ReleaseDate	Date/Time	NOT NULL	Release date for the given version.