

SCHEDULE 2 – Appendix 27

Interface Catalogue

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## 1 INTRODUCTION

### 1.1 Overview

- 1.1.1 This appendix describes the Interfaces required to support Enforcement Operations. The type of interface (batch, transactional or manual), direction of Data transfer, and estimated volumes of Data are given.
- 1.1.2 It is TfL's requirement that all Interfaces conform to open standards. SOAP shall be used for real-time Interfaces, with XML being used for batch Interfaces unless previously agreed with TfL.
- 1.1.3 The Enforcement Operations Service Provider shall be responsible for building and Testing their end of the Interfaces against a set of interface Specifications.
- 1.1.4 For Interfaces to and from the Core IT System, the Core IT System will be responsible for the provision of the wide area network, including a router, and any other necessary Hardware and Software to ensure reliability of the Interfaces situated at the Service Provider's premises. The junction of this Hardware with the Enforcement Operations Service Provider's network will form the boundary of responsibilities for the Interfaces.
- 1.1.5 Interfaces to and from the Core IT System are excluded from this document and are detailed in the Core Interface Specification.
- 1.1.6 The Enforcement Operations Service Provider will be responsible for all networks to and from TfL or other Third Parties.
- 1.1.7 Availability of the Interfaces is subject to the Performance Indicators given.
- 1.1.8 The list of Interfaces detailed in this appendix gives a logical view of currently predicted requirements.
- 1.1.9 Many physical Interfaces may be required to support a single logical interface or, alternatively, multiple logical Interfaces may be combined into a single physical Interface.
- 1.1.10 Any Service Level information given is indicative. TfL will define a formal Service Level Agreement for each interface for each Service Provider.

## **2 INTERFACE CATALOGUE**

### **2.1 Batch Interfaces**

2.1.1 The batch Interfaces required to support Enforcement Operations are described in Table 1: Batch Interfaces below.

2.1.2 The performance of the Interfaces must be such that the various operations specified in the Statement of Requirements can be achieved within the time window commencing with receipt of the Contravention records from the Core IT System.

Table 1: Batch Interfaces

Interface ID	Interface Description	Protocol	Data Source	Data Destination	Frequency	Scheduling	Indicative Batch File Size for Typical Volume	Typical Volume (records per batch file)	Peak Volume (records per batch file)
#1	Transfers details of foreign registered Vehicles issued with Penalty Charges.	Comma delimited text files delivered via an open standard file transfer mechanism	Enforcement Operations Service Provider	EDRA	Daily	Overnight	200 KB	100	500
#2	Transfers images associated with foreign Vehicle contraventions transferred via Interface #1.	Compressed file(s) delivered via an open standard file transfer mechanism	Enforcement Operations Service Provider	EDRA	Daily	By 05:00	80 MB	500	2,500
#3	Transfers details of Persistent Evaders, including VRM and PCN details.	XML file(s) delivered via an open standard file transfer mechanism	Enforcement Operations Service Provider	OSE	Daily	By 04:00	6 MB	14,000	20,000
#4	Transfers details of debtors, including VRM, Registered Keeper / Person Liable details and the debt amount.	Compressed file(s) over RAS Dialup	Enforcement Operations Service Provider	TEC	Daily	By 09:00	1 MB	1,000	5,000

Interface ID	Interface Description	Protocol	Data Source	Data Destination	Frequency	Scheduling	Indicative Batch File Size for Typical Volume	Typical Volume (records per batch file)	Peak Volume (records per batch file)
#5	Transfers requests for Warrant of Execution of debt recovery.	Compressed file(s) over RAS Dialup	Enforcement Operations Service Provider	TEC	Daily	By 09:00	1 MB	1,000	5,000
#6	Transfers Warrant of execution Instruction Data to Bailiffs. The Data includes warrant id, PCN number, VRM, Registered Keeper details and the required action.	FTP	Enforcement Operations Service Provider	Bailiff	Daily	By 05:00	500 kB	500	5,000
#7	Transfers Bailiff warrant status updates made against the warrant instructions transferred via interface #6.	FTP	Bailiff	Enforcement Operations Service Provider	Daily	By 05:30	500 kB	1,000	5,000
#8	Transfers notification of payments received by Bailiffs against warrant instructions.	FTP	Bailiff	Enforcement Operations Service Provider	Daily	By 05:30	500 kB	1,000	5,000

Interface ID	Interface Description	Protocol	Data Source	Data Destination	Frequency	Scheduling	Indicative Batch File Size for Typical Volume	Typical Volume (records per batch file)	Peak Volume (records per batch file)
#9	Transfers details of Persistent Evaders identified by the Image Management System as being in the Charging Zones, including VRM, location, date and time.	FTP	Core IT System	Enforcement Operations Service Provider	Daily	Overnight	200 kB	400	570
#10	Transfers details of Persistent Evaders identified within the Charging Zones, as transferred by Interface #9.	XML file(s) delivered via an open standard file transfer mechanism	Enforcement Operations Service Provider	OSE	Daily	On receipt of file passed via Interface #13 from the Core IT System	200 kB	400	570
#11	Transfers general ledger finance Data.	SAP Accounts	Enforcement Operations Service Provider	TfL Finance	4-Weekly	Every 4 weeks	Not applicable	Not applicable	Not applicable

## 2.2 Transactional Interfaces

- 2.2.1 The transactional interfaces required to support the Enforcement Operations System are defined in Table 2: Transactional Interfaces below. All interfaces will use adequate tools to ensure the messages are reliably sent and receipt is acknowledged.
- 2.2.2 The indicative response time column gives an indication of the required performance of the interface as measured from transmission of the request or Data from the Enforcement Operations Service Provider to receipt of the corresponding Data or acknowledgment. TfL will agree Key Performance Indicators with the Enforcement Operations Service Provider and with the other service providers and Third Parties. 50% of responses should be received within the first time limit, and 95% of responses should be received within the second time limit.
- 2.2.3 For guidance, the table shows the indicative average volume of requests across each interface per day. Peak volumes should be allowed for when sizing the solution, and will be dependent on the design of the solution to be proposed by the Enforcement Operations Service Provider.

Table 2: Transactional Interfaces

Interface ID	Interface Description	Protocol	Data Source	Data Destination	Indicative Response Time	Typical Volume (Transactions / Day)
#12	Returns details of all outstanding PCNs for a specific VRM.	SOAP	Enforcement Operations Service Provider	OSE	5s / 12s	50
#13	Returns details of all outstanding PCNs for the Registered Keeper / Person Liable associated with a specific PCN.	SOAP	Enforcement Operations Service Provider	OSE	5s / 12s	50
#14	Returns a state update to the Enforcement Operations Service Provider when a Vehicle is clamped / removed. Details include state, location and date / time.	SOAP	OSE	Enforcement Operations Service Provider	5s / 12s	50
#15	Returns details of a payment made to the OSE against a PCN.	SOAP	OSE	Enforcement Operations Service Provider	5s / 12s	50



Interface ID	Interface Description	Protocol	Data Source	Data Destination	Indicative Response Time	Typical Volume (Transactions / Day)
#16	Returns two flags denoting whether: A) the current Registered Keeper details held by the DVLA for the latest PCN for a specific VRM match the Registered Keeper details held on the Enforcement Operations System; B) the current Registered Keeper / Person Liable is a Persistent Evader.	SOAP	Enforcement Operations Service Provider / DVLA	OSE	5s / 12s*	100
#17	Returns authorisation for credit or debit card payments.	Dependent on service used	Merchant Acquirer Service	Enforcement Operations Service Provider	5s / 12s	5,000

\* Note that this interface will require a call to the Core IT System interface that retrieves Registered Keeper details from the DVLA for a specified VRM

## 2.3 Manual Interfaces

2.3.1 The system must support the manual interfaces described in Table 3: Manual Interfaces below. Where the exchange mechanism is not explicitly defined, specifications shall be agreed between the initiator and receiver.

Table 3: Manual Interfaces

Interface ID	Interface Description	Exchange Mechanism	Data Source	Data Destination	Data Content
#18	Receive payment updates from EDRA	(to be agreed)	EDRA	Enforcement Operations Service Provider	VRM, Payment, PCN
#19	Continue debt recovery request	(to be agreed)	EDRA	Enforcement Operations Service Provider	VRM, PCN
#20	List of diplomatic plates	CD Rom	TfL	Enforcement Operations Service Provider	VRM, cherished flag, country code, mission address details, effective date
#21	VRM / PCN queries fallback	Phone / Fax	Enforcement Operations Service Provider	OSE	VRM / PCN
#22	Registered Keeper / Person Liable details from Bailiffs	(to be agreed)	Bailiff	Enforcement Operations Service Provider	VRM, Registered Keeper/Person Liable
#23	Receive Condition Reports against a VRM or PCN	(to be agreed)	OSE	Enforcement Operations Service Provider	Condition reports

Interface ID	Interface Description	Exchange Mechanism	Data Source	Data Destination	Data Content
#24	Fallback Debt Registration with TEC	Disc	Enforcement Operations Service Provider	TEC	VRM, PCN, Registered Keeper/Person Liable details, debt
#25	Order for Recovery of debt	Fax	TEC	Enforcement Operations Service Provider	Sealed authority
#26	Not accepted Debt Registrations	Fax	TEC	Enforcement Operations Service Provider	VRM, Registered Keeper / Person Liable
#27	Statutory Declarations received	Post	TEC	Enforcement Operations Service Provider	Copy of Statutory Declaration
#28	Notice of revocation	(to be agreed)	TEC	Enforcement Operations Service Provider	Notice of revocation
#29	Receipt of Notice of Appeal	Electronic	Adjudication Service	Enforcement Operations Service Provider	Notice of Appeal forms
#30	Appeal Pack or Statutory Declaration Appeal Pack	Post	Enforcement Operations Service Provider	Adjudication Service and Registered Keeper	Appeal Pack or Statutory Declaration Appeal Pack
#31	Potential case of false Statutory Declaration	(to be agreed)	Enforcement Operations Service Provider	TfL	Case File
#32	Extension granted for filing Statutory Declaration	Post	TEC	Enforcement Operations Service Provider	Extension to Statutory Declaration

Interface ID	Interface Description	Exchange Mechanism	Data Source	Data Destination	Data Content
#33	Appeal against Out of Time Statutory Declaration	(to be agreed)	Enforcement Operations Service Provider	TEC	Appeal to Statutory Declaration
#34	Appeal against Out of Time Statutory Declaration - Statement of case	(to be agreed)	Enforcement Operations Service Provider	TEC	Appeal Pack (Statement of Case, Statement of Truth)
#35	Accept Out of Time Statutory Declaration	(to be agreed)	Enforcement Operations Service Provider	TEC	Accept Statutory Declaration
#36	Fallback transfer of Warrant of Execution Instruction Data	Disc	Enforcement Operations Service Provider	Bailiff	Warrant, PCN, VRM, Registered Keeper / Person Liable details, action (commence, halt, recommence, cease)
#37	Support of Statutory Declaration Appeal	(to be agreed)	Enforcement Operations Service Provider	TfL	Appeal documentation
#38	Receive Warrant of Execution approval	Fax	TEC	Enforcement Operations Service Provider	Authorisation
#39	Warranty requests file response	Fax	TEC	Enforcement Operations Service Provider	Results
#40	Update Bailiff Data	CD Rom	TfL	Enforcement Operations Service Provider	Updated Bailiff Data
#41	Fallback receive Bailiff warrant Status Updates	FTP	Bailiff	Enforcement Operations Service Provider	PCN, warrant number, status (paid, part-paid, suspended, returned)

Interface ID	Interface Description	Exchange Mechanism	Data Source	Data Destination	Data Content
#42	Errors in Core IT System Data	(to be agreed)	Enforcement Operations Service Provider	Core IT System	Registered Keeper / Person Liable, VRM, Discounts, fasttrack card
#43	Appeal Contest to Adjudication Service	Electronic	Enforcement Operations Service Provider	Adjudication Service, Appellant	Appeal Pack, date of event, location of event
#44	Out of time Appeals request	Electronic	Adjudication Service	Enforcement Operations Service Provider	Out of time Appeal
#45	Copy of out of time Appeals request	MS Office compatible	Enforcement Operations Service Provider	TfL	Copy of out of time Appeal
#46	Appeals (notification of Adjudications Report)	Electronic	Adjudication Service	Enforcement Operations Service Provider	Registered Keeper / Person Liable, PCN
#47	Discrepancy in Notice of Appeal	Electronic	Enforcement Operations Service Provider	Adjudication Service	Registered Keeper / Person Liable, PCN, discrepancy
#48	Notification of no contest to Appeal	Electronic	Enforcement Operations Service Provider	Adjudication Service	Appeal
#49	Copy of notification of Adjudications report	MS Office compatible	Enforcement Operations Service Provider	TfL	Copy of Adjudications Report
#50	Appeal withdrawn	Electronic	Adjudication Service	Enforcement Operations Service Provider	Appeal, PCN

Interface ID	Interface Description	Exchange Mechanism	Data Source	Data Destination	Data Content
#51	Copy of Appeal withdrawn notice	MS Office compatible	Enforcement Operations Service Provider	TfL	Copy of withdrawal notice
#52	Escalation to PMA team	(to be agreed)	Enforcement Operations Service Provider	TfL PMA	Appeal, PCN, Issue
#53	Notification of appointments and dismissals	(to be agreed)	Enforcement Operations Service Provider	TfL	Appointee's name, role, demise's name, dismissal reason
#54	Manual trade plate process	Phone / fax	DVLA	Enforcement Operations Service Provider	VRM
#55	LTCC diversions	Email	LTCC	Enforcement Operations Service Provider	List of diversions
#56	FOI Requests and responses	Email / letter / fax	TfL or Enforcement Operations Service Provider	Enforcement Operations Service Provider or TfL	Request for information
#57	Subject Access Requests and responses	Email / letter / fax	TfL, Core IT System or Enforcement Operations Service Provider	Customer, TfL, Core IT System or Enforcement Operations Service Provider	Request for information