



**MFA APPLICATIONS ARCHITECTURE**

**CURRENT POSITION DOCUMENT**

**20<sup>TH</sup> APRIL 2009**

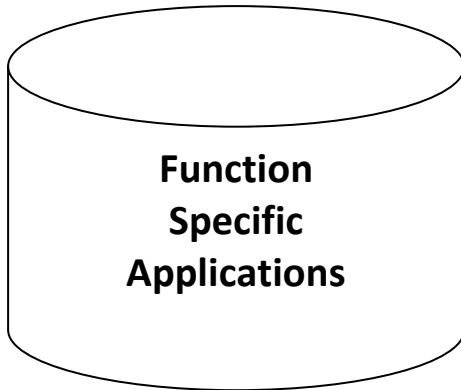
# MFA APPLICATIONS ARCHITECTURE

## INTERNET (CONTENT MANAGEMENT)

PUBLIC  
INFORMATION

ONLINE  
TRANSACTIONS

EXTRANET



CASE  
MANAGEMENT /  
WORKFLOW

GIS

DECISION  
SUPPORT

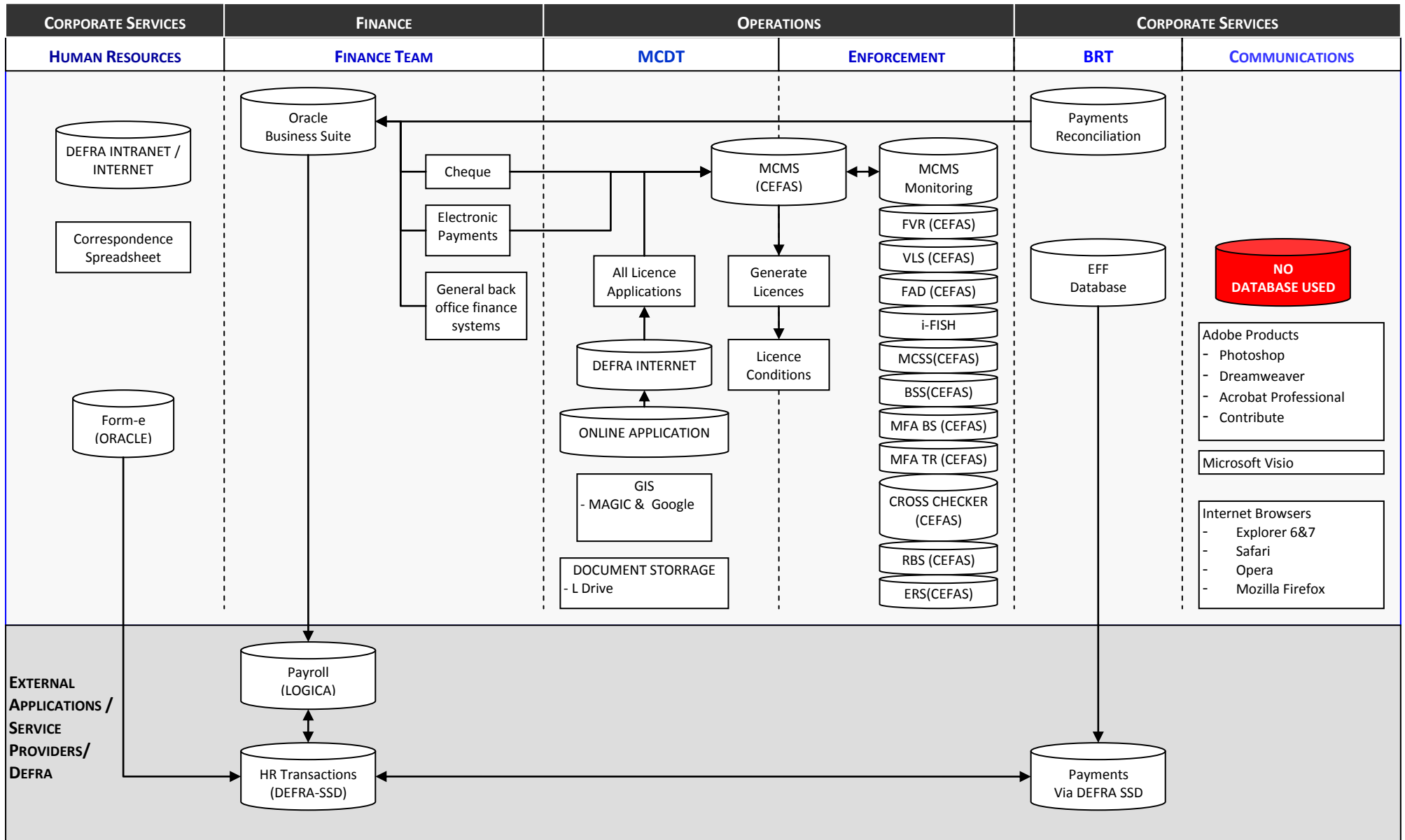
DOCUMENT  
MANAGEMENT

## DATA

Function Specific Data

Corporate Data

# BUSINESS FUNCTION AREAS



**CATEGORY: FUNCTION SPECIFIC APPLICATIONS & SYSTEMS - CURRENT PROVISION**

<b>BUSINESS TEAM</b>	<b>APPLICATIONS</b>	<b>SCOPE</b>	<b>PROVIDED / SUPPORTED BY</b>	<b>COMMENTS</b>
<b>MARINE CONSERVATION &amp; ENFORCEMENT TEAM</b>	<i>FVR - Fishing Vessel Register (UK)</i>	A register which contains all fishing vessel registration details in the UK.	CEFAS	-
Marine Conservation & Enforcement Team	<i>VLS –Vessel Licensing System (UK)</i>	A database which holds all fishing vessel licence details and is used to issue all fishing licences.	CEFAS	-
Marine Conservation & Enforcement Team	<i>FAD –Fishing Activity Database (England, Wales &amp; NI)</i>	A system which records all log sheet details for all fishing effort e.g. fishing areas and quantities.	CEFAS	-
Marine Conservation & Enforcement Team	<i>i-FISH – i-FISH Database (England, Wales &amp; NI)</i>	A system which pulls together data and information from devolved administrations to be used for UK analyses.	CEFAS	-
Marine Conservation & Enforcement Team	<i>MCSS – Monitoring Control and Surveillance System (UK)</i>	A system which records all enforcement activity including inspections - port, sea and air, and holds details of prosecution files.	CEFAS	-
Marine Conservation & Enforcement Team	<i>BSS – Biological Sampling System (England &amp; Wales)</i>	A database which records all biological sampling activity.	CEFAS	-
Marine Conservation & Enforcement Team	<i>MFA BS – MFA Biological Sampling</i>	An MFA system which is part of BSS and supports target monitoring.	CEFAS	-
Marine Conservation & Enforcement Team	<i>MCMS MFA – Marine Consents Management System (England)</i>	The Enforcement Team use a sub-system of MCMS which talks to the main MCMS database and allows the team to provide advice on applications, record inspections and MFA Inspectorate performance management.	CEFAS	This is part of MCMS which is used to manage the MET licensing process.
Marine Conservation & Enforcement Team	<i>MFA TR – MFA Time Recording</i>	A work recording system for MFA staff to monitor the time spent on individual tasks.	CEFAS	-
Marine Conservation & Enforcement Team	<i>Cross Checker</i>	A system which enables cross checking of systems like FAD, MCSS, VMS in addition to other sources.	CEFAS	-
Marine Conservation &	<i>RBS – Registration of</i>	A register of all buyers and sellers of fish.	CEFAS	-

BUSINESS TEAM	APPLICATIONS	SCOPE	PROVIDED / SUPPORTED BY	COMMENTS
Enforcement Team	<i>Buyers (England, Wales &amp; NI)</i>			
Marine Conservation & Enforcement Systems	<i>ERS – Electronic Recording System (England, Wales &amp; NI)</i>	A system which records the place of purchase of a catch.	CEFAS	-
<b>MARINE ENVIRONMENT TEAM</b>	<i>MCMS – Marine Consents Management System (England)</i>	A system that supports FEPA and CPA marine licensing application process. It also stores historical application and licence information, generates licences and provides other support functions. It is not interfaced with Oracle Business Suite so electronic payments for applications must be inputted into MCMS manually.	CEFAS	This is system supports the Marine Conservation & Enforcement Team sub-system. MCMS needs replacing to meet the requirements of the new licensing regime.
<b>OFFSHORE RENEWABLE ENERGY TEAM</b>	<i>MCMS – Marine Consents Management System (England)</i>	As above. There is also an Excel spreadsheet used to support the Offshore licensing process as MCMS is not designed to fully support Offshore applications.	CEFAS	As above
<b>MARINE MINERALS TEAM</b>	<i>None</i>	-	-	There is currently no database to support the minerals licensing process. This is supported by a spreadsheet. MET, Offshore and Minerals Teams need a single database to co-ordinate the marine licensing activity.
<b>COMMUNICATIONS TEAM</b>	<i>None</i>	-	-	There is no current requirement for database support for the communications function.

BUSINESS TEAM	APPLICATIONS	SCOPE	PROVIDED / SUPPORTED BY	COMMENTS
<b>CORPORATE SERVICES</b>	<i>Form-e</i>	An Oracle based application which links is SSD and used to support the HR process.	SSD	MMO HR function needs to be reviewed to decide whether HR will to be outsourced.
<b>BUSINESS RELATIONS TEAM</b>	<i>EFF Database</i>	MS Access database used to support the EFF grants process, reporting and accounts requirement for the team.	Data Team	In-house database.
<b>FINANCE</b>	<i>Oracle Business Suite</i>	Financial system used to support back office processes.	SSD / IBM	-
<b>EFFORT MANAGEMENT &amp; STATISTICS TEAM</b>	<i>SPSS &amp; SQL Server</i>	Data querying languages. SQL Server is hosted by CEFAS.	IBM / CEFAS	-

**CATEGORY: GIS - CURRENT PROVISION**

BUSINESS TEAM	APPLICATIONS	SCOPE	PROVIDED / SUPPORTED BY	COMMENTS
<b>MARINE ENVIRONMENT TEAM</b>	<i>MAGIC &amp; Google</i>	Offers a basic web based GIS function to check designated sites and co-ordinate information.	None – free online tools	These are due to be replaced by SPIRIT - a web-based GIS tool which uses marine specific datasets taken from SPIRE.
Marine Environment Team	<i>SPIRIT</i>	A web enabled basic GIS tool which uses marine related datasets from SPIRE.	CIOD	Future MMO GI requirements to be agreed. Work is currently going on in this area via the GI User Group.
<b>OFFSHORE RENEWABLE ENERGY TEAM</b>	<i>None</i>	-	-	-
<b>MARINE MINERALS TEAM</b>	<i>None</i>	-	-	-

BUSINESS TEAM	APPLICATIONS	SCOPE	PROVIDED / SUPPORTED BY	COMMENTS
<b>EFFORT MANAGEMENT &amp; STATISTICS TEAM</b>	<i>Arc ESRI</i>	GIS software used for analysing and manipulating data.	EM&S	Interim Arc ESRI training is being considered as part of GI work across the MFA.
Effort Management & Statistics Team	<i>SPIRE</i>	SPIRE GIS datasets which are downloaded to the users desktop and used with ESRI.	CIOD	-

**CATEGORY: DOCUMENT MANAGEMENT - CURRENT PROVISION**

BUSINESS TEAM	APPLICATIONS	SCOPE	PROVIDED / SUPPORTED BY	COMMENTS
<b>MARINE ENVIRONMENT TEAM</b>	L – Drive	A server based set of drives, using a business function and team folder layout for storage.	SSD	How MMO manages and stores records will need to be reviewed.

**CATEGORY: DECISION SUPPORT - CURRENT PROVISION**

BUSINESS TEAM	APPLICATIONS	SCOPE	PROVIDED / SUPPORTED BY	COMMENTS
All	None	-	-	The MMO is to be an expert body. Decision makers need decision making tools to support the process and enable a consistent approach.

**CATEGORY: INTERNET -CURRENT PROVISION**

BUSINESS TEAM	APPLICATIONS	SCOPE	PROVIDED / SUPPORTED BY	COMMENTS
<b>COMMUNICATIONS</b>	Adobe Dreamweaver	Software used to support the <a href="http://www.mfa.gov.uk">www.mfa.gov.uk</a> website. There is also an MMO microsite available through the MFA site.	SSD	MMO website will need to be created and supported by an agreed provision.

**CATEGORY: ONLINE TRANSACTIONS - CURRENT PROVISION**

BUSINESS TEAM	APPLICATIONS	SCOPE	PROVIDED / SUPPORTED BY	COMMENTS
<b>MARINE CONTROL DEVELOPMENT TEAM</b>	Online marine license application downloadable to MCMS	An online function which allows a developer to submit an application online. The online service does not support attaching electronic documents to a record.	MFA website / CEFAS hosted	Hard copy supporting documents still need posting to the office.

**CATEGORY: GENERIC SUPPORT SOFTWARE - CURRENT PROVISION**

BUSINESS TEAM	APPLICATIONS	SCOPE	PROVIDED / SUPPORTED BY	COMMENTS
<b>COMMUNICATIONS</b>	Adobe Photoshop	Enables the user to alter digital images.	-	-
Communications	Adobe Acrobat Pro	Enables user to create and modify PDF documents.	-	-
Communications	Adobe Contribute	-	-	-
Communications	Microsoft Visio	-	-	-
Communications	Internet Browsers	Microsoft Explorer 6 & 7, Safari, Opera and Mozilla Firefox.	IBM	IBM enables user to download internet browsers.

**CATEGORY: OUTSOURCED FUNCTIONS - CURRENT PROVISION**

BUSINESS TEAM	APPLICATIONS	SCOPE	PROVIDED / SUPPORTED BY	COMMENTS
<b>CORPORATE SERVICES</b>	Human Resource Function	HR functions like sickness and annual leave for payroll purposes are managed using Oracle.	SSD	MMO HR and Payroll functions need to be reviewed to decide whether HR will be managed in house or by an external contract.
<b>FINANCE</b>	Payroll	This function is externally managed.	Logica	As above.

