



CASES

Features

Table of Contents

1. OVERVIEW	5
1.1. PURPOSE OF THE SYSTEM	5
1.2. SYSTEM DESIGN PHILOSOPHY	5
1.2.1. Designing for Change	5
1.2.2. User Interface	6
1.2.3. Accountability	6
1.2.4. Security	7
1.3. BASIC SYSTEM CONCEPTS	7
1.3.1. Matters	7
1.3.2. States	7
1.3.3. Tasks	8
1.3.4. Events	8
1.4. BUSINESS FEATURES	8
1.4.1. Workflow Management	8
1.4.2. Document Management	9
1.4.3. Contact Management	9
1.4.4. Online Help and Documentation	10
1.4.5. Reporting	10
1.4.6. Remote Access	10
1.4.7. Audit Log	10
1.4.8. Case and Process Costing	10
1.4.9. Data Import and Export	10
1.4.10. Alert Systems	11
1.4.11. Feedback Recording	11
1.4.12. Integration of CASES with other Systems	11
1.5. HARDWARE AND SOFTWARE	12
1.5.1. Desktop	12
1.5.2. CASES SQL Servers	12
1.6. TECHNICAL FEATURES	13
1.7. CASES BUSINESS BENEFITS	16
2. CASES TECHNICAL OVERVIEW	17
2.1. SYSTEM ARCHITECTURE	17
2.1.1. De-centralised	18
2.1.2. Centralised	18
2.2. INTEGRATED DOCUMENT MANAGEMENT SYSTEM	18
2.2.1. Overview	18
2.2.2. CASES User Interface	19
2.2.3. 'Objective' User Interface	19
2.3. CASES AGENTS	20
3. MATTER CREATION	22
4. MATTER MANAGEMENT	27
4.1. MATTER CARRIAGE WORKFACE	27
4.2. MATTER FILE COVER	28
4.3. MULTIPLE MATTER INTERFACE	30
5. MATTER HISTORY	32
6. WORKFLOW DEFINITION	35
6.1. STATES	35
6.2. TASKS	36
6.3. EVENTS	37
7. SECURITY	40

7.1.	ACCESS SECURITY	40
7.2.	SECURITY LEVELS	40
7.3.	BUSINESS FUNCTION SECURITY	40
7.4.	MATTER SECURITY	42
8.	AUDITING	45
8.1.	RECORD LEVEL AUDITING	45
8.2.	TABLE LEVEL AUDITING	45
8.3.	SESSION LOGGING	46
9.	PRACTICES	47
9.1.	PRACTICE MAINTENANCE	47
9.2.	ASSIGNING A MATTER TO ANOTHER PRACTICE	48
9.3.	MATTER CARRIAGE WORKFACE	51
9.4.	MANAGEMENT PRACTICE REVIEW	51
10.	WORKLOAD MANAGEMENT	54
11.	PARTY DATABASE	57
11.1.	PERSONS & ORGANISATIONS (PARTIES)	57
12.	SEARCHING	61
12.1.	MATTER SEARCH	61
12.2.	MATTER TEXT SEARCH	62
12.3.	DOCUMENT SEARCH	63
12.4.	PERSON SEARCH	64
12.5.	LEGISLATION SEARCH	66
13.	REPORTING	68
13.1.	ONLINE REPORTS OR QUERY SCREENS	68
13.2.	PRINTED REPORTS USING WORDREPORTS	69
13.3.	AD-HOC REPORTS USING ANY SQL BASED REPORTING TOOL	69
14.	WORD REPORTS	70
15.	FILE NOTES	76
15.1.	ATTACHING FILE NOTES	76
15.2.	COMPLETING AND ACKNOWLEDGING FILE NOTES	76
15.3.	FILE NOTES IN THE MATTER HISTORY	77
15.4.	TEXT SEARCH IN FILE NOTES	78
16.	DOCUMENT MANAGEMENT	80
17.	PAPER CAPTURE	84
17.1.	SCANNING PROCEDURES	84
18.	ACTIVITY BASED COSTING	88
19.	ADMINISTRATION	91
19.1.	ADMINISTRATION MENU	91
19.2.	ADMINISTRATIVE FUNCTIONS	91
19.3.	TABLE OF ADMINISTRATIVE FUNCTIONS	94
20.	MENUS	97
20.1.	FASTTRACK MENUS	97
21.	PERSONALITY FILES	98
22.	AGENTS	101

23. DATA MIGRATION	103
---------------------------------	------------

1. OVERVIEW

CASES consists of a set of re-useable software components developed in Borland Delphi. These components implement a generic workflow system.

CASES is designed to allow an organisation to change workflows and associated tasks within the system as and when required. The system provides a flexible environment in which these workflows and tasks can be established and maintained. Thus the solution can be installed into any organisation and can be modified over time by users to ensure that it is appropriate to both their work environment and to their own organisation and its procedures.

1.1. PURPOSE OF THE SYSTEM

The CASES Case Tracking and Practice Management System has been designed to assist legal offices, departments and tribunals in the conduct of their case and practice workload. The system as designed, fits naturally into the work flow of solicitors, legal clerks, barristers and other case managers so that their interaction with the system becomes an integral component of their work.

The two major components of the system are:

- Case tracking
- Practice management.

The case tracking elements of the system are concerned with the registration and maintenance of details and tasks associated with a particular matter. This includes the registration and tracking of files, the allocation of responsibility for a matter and the linking together of related matters through a network of associations.

The practice management elements of the system are concerned with the management of matters by the various functional groups within the organisation together with a range of management review functions and reports. These are designed to ensure the efficient conduct of a large office department or tribunal, including the diary scheduling of courts, witnesses and legal staff, the establishment of deadlines and the monitoring of progress, plus the tracking of particular important matters or tasks.

1.2. SYSTEM DESIGN PHILOSOPHY

The four major design philosophies incorporated in the system are as follows:

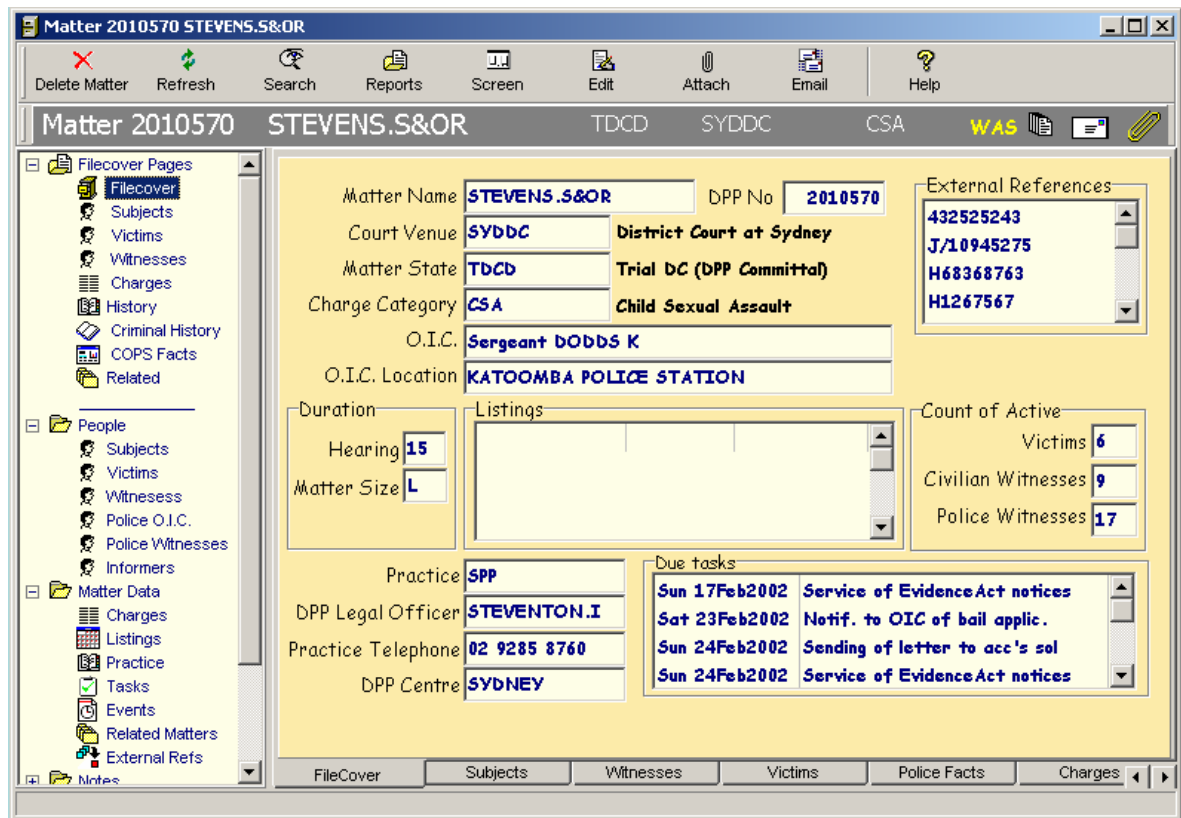
1.2.1. Designing for Change

Most organisations are in a process of progressive change. These changes are being triggered by both the external legal environment and also by internal management changes. CASES is specifically designed with as much flexibility as possible to cater for these changes over time, without requiring major system redevelopment. In particular, the system has been designed to allow the organization's own staff to change the workflows and associated tasks within the system as and when required.

1.2.2. User Interface

For the system to be successful it must be supported and used by solicitors, legal clerks and other case managers. Using the system could range from reviewing screen based or paper based reports to hands-on data entry. Accordingly, the system has been designed to be easy and intuitive to use, especially by staff that have not had previous experience using computer systems. In addition, it has been designed with sufficient flexibility so that it encourages individuals to utilise the system as an integral part of their work environment. To achieve this, the design pays particular attention to minimising the amount of data entry or keyboard work, with extensive use of suggested responses and selection from dropdown lists.

Here is a sample of the user interface showing the main screen of a matter or complaint. This screen relates to a single matter or case that is clearly displayed in a prominent position. The left of the screen is a map of the case information in the database, Filecover is highlighted therefore the right of the screen displays the case file cover data. The grey tags at the lower area of the screen offer another shortcut to the main case information types. This format is consistent throughout the system and other contemporary systems such as Microsoft Outlook email.



The screenshot displays the iTec CASES user interface. The title bar reads "Matter 2010570 STEVENS.S&OR". The menu bar includes: Delete Matter, Refresh, Search, Reports, Screen, Edit, Attach, Email, and Help. The main header shows "Matter 2010570 STEVENS.S&OR" with tabs for TDCD, SYDDC, CSA, and WAS. The left sidebar contains a tree view with categories: Filecover Pages (Filecover, Subjects, Victims, Witnesses, Charges, History, Criminal History, COPS Facts, Related), People (Subjects, Victims, Witnessess, Police O.I.C., Police Witnessess, Informers), Matter Data (Charges, Listings, Practice, Tasks, Events, Related Matters, External Refs), and Notes. The main content area displays the following information:

Matter Name	STEVENS.S&OR	DPP No	2010570
Court Venue	SYDDC	District Court at Sydney	
Matter State	TDCD	Trial DC (DPP Committal)	
Charge Category	CSA	Child Sexual Assault	
O.I.C.	Sergeant DOBBS K		
O.I.C. Location	KATOOMBA POLICE STATION		
Duration	Hearing	15	
Matter Size	L		
Practice	SPP		
DPP Legal Officer	STEVENTON.I		
Practice Telephone	02 9285 8760		
DPP Centre	SYDNEY		

External References:

- 432525243
- J/10945275
- H68368763
- H1267567

Count of Active:

- Victims: 6
- Civilian Witnesses: 9
- Police Witnesses: 17

Due tasks:

- Sun 17Feb2002 Service of Evidence Act notices
- Sat 23Feb2002 Notif. to OIC of bail applic.
- Sun 24Feb2002 Sending of letter to acc's sol
- Sun 24Feb2002 Service of Evidence Act notices

At the bottom, there are grey tags for FileCover, Subjects, Witnesses, Victims, Police Facts, and Charges.

1.2.3. Accountability

It is part of the management philosophy of most modern organisations that individuals should be given responsibility and accountability for tasks. Accountability implies that individuals be kept informed of their obligations relating to specific tasks and that individuals and the various levels of management can clearly see exceptions to the projected target dates.

CASES is designed to cater for this accountability by including a projected completion date on all tasks. Individuals are automatically reminded of the completion dates for all tasks for which they have responsibility together with any tasks that have breached their planned completion dates. Similarly, managers can review all matters or tasks for their areas of responsibility, which have breached the planned completion dates. Senior managers can quickly identify bottlenecks and drill down into the information to determine the exact cause of the bottleneck.

The system also logs every activity, its date and the person who performed that activity so that the question of “who did what and when” relating to a case can be instantly established at any moment

1.2.4. Security

The CASES system deals with highly sensitive information. Security of this information is paramount. CASES includes a range of features that enable a matter's security to be tailored to the requirements of the case. This can include completely isolating the matter from view except for the person responsible for the case, to allowing supervisors to view a matter or to isolating particular data fields within the matter.

The system allows access control to be assigned by person, role, application function and case. The CASES Security documentation included in this proposal should be referred for further explanation of the capabilities.

1.3. BASIC SYSTEM CONCEPTS

There are some basic concepts that form the core of the system.

1.3.1. Matters

A MATTER is basically a legal case, that is, a related set of legal work that deals with a person of interest (or persons of interest bound together by a set of common evidence) in a matter and a set of related legal work around a brief for a civil matter.

A matter generally corresponds to a physical file (or a set of files).

Matters recorded within CASES are flexible in that they may be related to other matters (via a defined set of relationships), they may be split into several separate matters over time or they may be coalesced from several matters to one matter.

A matter may be in one of a number of relevant STATES and within each State there are a number of relevant TASKS and external EVENTS.

1.3.2. States

A STATE is a natural subdivision of the procedural process that a Matter can undergo. Defining and connecting a sequence of such States build up the basic procedural flow in the system.

A STATE usually corresponds to the stage of the process that the matter has reached; i.e. the application may be “Awaiting case file” or “Hearing Scheduled”.

1.3.3. Tasks

A TASK is a self-contained piece of work that can be completed on a matter whilst it remains within one State.

For each State there is a separate list of relevant Tasks. The list of valid Tasks may be varied by the organisation when required. These tasks can be compulsory or optional, and the completion of one task can trigger a new set of tasks, or tasks can be triggered by an external event. Tasks can also be dynamically created and sent to the creator at a later date or they can be sent to a nominated other person on the system. Tasks can be readily automated in the system through the use of a Task Manager - this enables reports or letters to be simply constructed that are driven from the context of the current case - for example to send notification of a hearing to all relevant parties.

1.3.4. Events

EVENTS are generally things that occur externally. They normally result in a series of related tasks being generated and may also trigger a change in the STATE of the matter.

Events can be the applicant withdrawing their application or documentation being received from an external body. All events, tasks and states are completely configurable by the system users and require no programming changes.

Using these basic concepts CASES provides a simple, clear mechanism for an organisation to construct a computerised procedure manual that assists, guides and monitors the performance and management of legal work in the organisation. The association of responsibility of staff with cases and tasks enables a comprehensive picture of workload to be identified and monitored, together with detailed review of performance of managers of such staff. This will enable management to know the state of the case load at all times.

1.4. BUSINESS FEATURES

The CASES application manages all aspects of a case including such features as:

- Involved Parties and nature of involvement.
- Related cases.
- Cloning and merging cases.
- Upcoming Appointments.
- Task Review.
- Workload review.
- Search facilities.
- Document production.

The system has more than 300 business functions available from a menu system that can be adjusted to only show those functions that are applicable to the role of the individual user.

1.4.1. Workflow Management

At the core of the CASES design is a Workflow engine, which has allowed users to adopt all legislative changes without programming change, this is a major cost saving feature of the

system when compared to many other so called “Hard-coded” solutions that require highly skilled staff (programmers) or the products supplier to make any changes to workflow.

A significant user benefit of the workflow engine is that the best practice for processing predefined case types is defined by senior staff members and is enforced and tracked by the system, in a helpful and non-intrusive manner. For example if an event occurs and is recorded on a matter, a set of predefined “Tasks” are created, one task may be to send out a letter, a single mouse click would generate the letter as a Microsoft Word document for the user to preview and then acquit the required task.

This enables organisations to define different workflows for the processing of different matter types independently of each other and modify the process at any time.

1.4.2. Document Management

The Integrated Document Management System (IDMS) provides CASES with the ability to manage, search and retrieve documents either through the full CASES application, or through a subset of the CASES application run from the desktop or through the native EDMS client. The IDMS platform is also suitable for future knowledge management requirements.

CASES implements document management by interfacing to document management servers such as Objective or TRIM and maintaining a consistent look and feel.

Creating, updating, and searching for documents, is carried out completely within the CASES application.

General CASES users see the IDMS through the functionality provided within the CASES application screens. This is in the form of:

- Prompting users for information for “Logged” documents that are stored within the IDMS;
- A more powerful search facility to enable documents to be searched by meta-data or document contents.

The functionality to retrieve the documents, handle the return of search lists, etc. is handled seamlessly for the user by the CASES application.

Documents can be “Attached” to a matter in a manner similar to attaching to an email message however greatly enhanced by supporting meta-data. This allows users to search the existing library of documents for material useful for the matter in hand and attach these documents for future reference.

1.4.3. Contact Management

CASES contains a complete Person/Party database for storing contact details. This database is controlled to avoid duplicates of details. For example when a new person is added, the system automatically searches to ensure this person is not already known (particularly important in the Legal sector).

Soundex (sounds like) search can be used to assist the search process.

Cases also supports contact logs for a particular person. This feature is used to manage sensitive contact with the relevant people.

1.4.4. Online Help and Documentation

CASES has full context sensitive online help and Tool tips.

1.4.5. Reporting

CASES uses an integrated report-writer that generates Microsoft Word documents. This application, named WordReports was custom built as part of the CASES application suite, allowing it to automatically integrate with document management. The result of this is that a user may complete a letter-generating task with a single mouse click. The document can also be automatically stored in the document management system for future reference or search. There is a report-painter that allows end users to add data items to a word template using a simple user interface. Reports can then be attached to any screen, automatically picking up any context available from that screen, and reducing the need for users to type in report parameters.

Industry standard reporting tools may also be used.

1.4.6. Remote Access

The CASES client can run remotely over a 56k modem connection or faster link.

1.4.7. Audit Log

CASES has a full online session log, which can be configured to record all levels of access to data, including READ access. This data is held online for easy reporting access, and can be easily archived and retained.

1.4.8. Case and Process Costing

CASES has an inbuilt Flexi-time time-sheeting system and also keeps track of all tasks performed by a user on a given matter allowing Activity Based Costing (ABC).

1.4.9. Data Import and Export

There are two levels at which Data import and export are supported by CASES.

The first and simplest level is using any standard import and export facility of Microsoft SQL server such as BCP.

The second level is under control of software called "Agents". These agents are used to get data into and out of the system, using validation rules and controlling security access. An example is the "ERIC agent" (standing for Electronic Referral of Indictable Charges) as used by the ODPP. All new charges are notified to ODPP from NSW Police over a dedicated line using MQ Series. This data is parsed and uploaded into a quarantine area of the database by the Agent. The user then uses an online screen to review the new data that can be accepted into CASES or rejected. This maintains the security and integrity of the database. The same technique is also used to provide outward Kiosk or Bureau type services, preventing any DIRECT access to the core business data.

1.4.10. Alert Systems

CASES has an inbuilt set of screens to alert managers of time-line breaches within the workflow. CASES also notifies system administrators of any problems encountered by agents using email.

1.4.11. Feedback Recording

Feedback or any other free text note can be recorded against a matter at any time. This will then appear in the online matter history, which is used to display the entire history of a matter showing events, notes, documents etc. and can be printed as a report.

1.4.12. Integration of CASES with other Systems

CASES is designed to simply integrate with a variety of other systems through simple parameter and context interfaces. This includes document management systems, where CASES records the document reference ID and enables users to jump to the relevant document within the context of a CASES task, complete the document work and then revert to the CASES task. It also includes file tracking systems, whereby CASES can pass file reference ID's to a file tracking system, which can locate the file and return to the CASES screen. Similar extensions have been easily built to external database systems such as Sentencing Databases or Legal Case Databases.

Interfacing to other systems is implemented using CASES Agents. Agents are programs, which run autonomously and encapsulate the interface definition for the external application and CASES.

Examples of existing Agents include:

- **eMail agent**

This allows messages and electronic files to be sent directly to, the matter record from any email interface. For example an image and word document can be emailed to the solicitor in charge of the matter and, if the matter is referenced in the subject of the email, the message and the attached documents automatically become part of the CASES record. Alternatively the solicitor in charge can forward such emails to CASES if they decide the message is relevant to the matter.

- **eBrief agent**

This accepts XML, files and a set of diverse document types structured as an "Electronic Brief". The XML is parsed and the brief structured into a standard form for use by the system and downstream agencies.

1.5. **HARDWARE AND SOFTWARE**

1.5.1. **Desktop**

The CASES client runs on any 32-bit Microsoft Windows workstation although a minimum of Microsoft Windows 98 is recommended. A reasonable minimum hardware profile would be a Pentium 500Mhz with 64mb of memory and 100Mb of available disk space. The software does run adequately on lower configured machines however such hardware is now mostly obsolete.

1.5.2. **CASES SQL Servers**

The server configuration is highly scalable and depends on the number of concurrent users expected on the system. The recommended database software for the server is Microsoft SQL server 2000 and above. The recommended operating system for the application server is Microsoft Windows 2000 Server and above. Specific server sizing can be supplied following a more detailed review of requirements. It is reasonable to assume that the server would be a commodity dual processor Intel based application server with a few Gigabytes of RAM and disk relative to data volume and high availability requirements at each site.

1.6. TECHNICAL FEATURES

The following section aims to describe in summary form the main technical features of the CASES system.

Technical Features

Module	Feature/s
Microsoft Look and Feel	A consistent and well recognise look and feel makes the application very intuitive in nature and thus minimises staff training requirements
Fast-Track key-ins	CASES Fastrack Menus allow experienced users to immediately reach required screens or functions. The key-ins are configured by the System Administrator
End-User Views	End-User views are configurable to change screen behaviour (eg: setting the default page your application opens on when you first log into the application)
Keyboard Data Entry	Data entry screens are designed to allow operators to enter data without the use of a computer mouse (data entry via keyboard alone supported)
Workflow management	Enables key users to define different workflows for the processing of different types of work and modify the 'Practice' at any time. The Workflow engine allows users to adopt changes without requiring programming changes (involving the IT department).
Document management	CASES implements document management by interfacing to the Objective Corporation document management repository called 'IDMS'. Creating, updating and searching for a document is carried out completely within the CASES application. Documents can be "Attached" to a Matter in a manner similar to attaching to an email message however greatly enhanced by supporting meta-data. This allows users to search the existing library of documents for material useful for the matter in hand and attach these documents for future reference. Conceptual search - uses a thesaurus to include all known synonyms of the supplied search term and allows the user to exclude any deemed inappropriate. There is also a keyword search used for document classification in records management.
Contact management	CASES contains a complete Person/Party database for storing contact details. This database is controlled to avoid duplicates of details. For example when a new person is added, the system automatically searches to ensure this person is not already known. 'Soundex' (sounds like) search can be used to assist the search process. CASES also supports contact logs for a particular person. This feature is used to manage sensitive contact with the relevant people
Security - Menu security	The CASES menu system is dynamic and only reveals business functions to a user which they have been granted security access.
Security - User groups	Security access to business functions is managed by the use of User groups. These groups provide access to a set of related business functions, which can contain groups of functionally related or job related transactions.
Systems administration	CASES includes an extensive suite of administration facilities to manage and configure the application eg: the first screen that appears when a user first logs in, or simply the company logo that appears when initiating the application.
Matter management	CASES allows a user to manage all matters via the Matter Workface. From here a user is able to access all files that they are responsible for. When entering a Matter , if a searchable PDF document is used, CASES allows the fields to be auto populated, leaving the operator to check the data against the searchable PDF image. The searchable PDF document could have originated on a web-site, have been downloaded and filled in by a client on their PC, and emailed to the CASES system email box where it would auto-populate the data

	<p>entry screen above.</p> <p>When a Matter is created, certain default tasks may need to be completed. These may include certain default forms to be generated.</p> <p>An important feature of Matter and practice management is that the user can open many Matters at the same time and work on all at once.</p>
Charge Feed	Another type of 'Agent' – allows for automatic update and maintenance of the 'Judicial Commission Law port codes'
Person management (Person Party database)	All persons or organisations known to the system are recorded in a self contained repository. This person data is then associated with a Matter by virtue of the role the person performs in the Matter eg: 'subject', 'victim' or 'witness'.
Data import and export	<p>There are two levels at which Data import and export are supported by CASES :</p> <ul style="list-style-type: none"> - The first and simplest level is using any standard import and export facility of Microsoft SQL server such as 'BCP'. - The second level is under control of software called "Agents". These agents are used to get data into and out of the system, using validation rules and controlling security access. An example is the MQ Series Agent. This data is parsed and uploaded into a quarantine area of the database by the Agent. The user then uses an online screen to review the new data that can be accepted into CASES or rejected. This maintains the security and integrity of the database.
Agents	CASES agents are autonomous software modules, which encapsulate an interface between CASES and other applications. An agent handles any external source of information provided to CASES as a 'feed'
Alerts	CASES has an inbuilt set of screens to alert managers of time-line breaches within the workflow. CASES also notifies system administrators of any problems encountered by 'Agents' using email.
Feedback recording	Feedback or any other free text note can be recorded against a Matter at any time. This will then appear in the online 'Matter history', which is used to display the entire history of a Matter showing events, notes, documents etc. and can be printed as a report.
Paper capture	CASES provides a mechanism to capture such documents and attach them to the correct Matter , in the process, turning them into a searchable electronic resource
Reporting	<p>CASES uses an integrated report-writer that generates 'Microsoft Word' documents. This application, named 'Word Reports', allows completion of a letter-generating task with a single mouse click. The document can also be automatically stored in the document management system for future reference or search. There is a report-painter that allows end users to add data items to a Word template using a simple user interface. Reports can then be attached to any screen, automatically picking up any context available from that screen, and reducing the need for users to type in report parameters.</p> <p>Industry standard reporting tools may also be used.</p>
Workload management	CASES allows a manager to manage a group of Matters and where certain Matters are more complex, workload balance accordingly. Through a whole suite of reports and analysis tools allowing a manager to monitor, balance and fine tune the work load of individuals and the organisation.
Client Management Services (CMS)	Contact and Client management module. This system can be used by organisations where client details and relationship with matters are important and need to be maintained
Roster	Facilitates forward planning of work and staff, and allows reports to be produced for this. There is a direct link to CASES, allowing a user to display and view their time or any planned leave. Allows for retrospective time recording.
Timesheet (Case and Process)	CASES has an inbuilt Flexi-time time-sheeting system keeping track of all tasks

Costing)	performed by a user on a given matter.
Activity Based Accounting (ABC)	More detailed time recording against specific Matters . Statistical information based on the average cost of Matters by category. A template is created in MS Excel where this information can be viewed and then updated.
Involved parties	Allows users to search not only for 'Person's related to a Matter but Involved parties (ie: other people or organisations)
Operational Performance Metrics (OPMS)	Allows tracking of organisations performance against set performance indicators.
Billing module	Allows an interface to any popular financial software packages.
Distributed database	Allows various users to connect to servers located locally or remotely for Matters and associated documentation. These servers communicate with each other to keep data synchronised (users can view data from other locations if need be but cannot modify)
Matter cloning	Matter cloning is usually performed by Office Managers and clerical officers who are experienced in the use of CASES. It's a process that creates a new Matter (a cloned Matter) from an existing Matter (the original Matter). You specify which subjects are to be attached to each Matter . The cloned Matter and the original Matter have two different Matter states.
Tracking, Archiving, Backup and Recovery	Commodity archiving, backup and recovery tools are used for these tasks.
Online Help and Documentation	CASES has full context sensitive online help and Tool tips.
Remote Access	The CASES client can run remotely over a 56k modem connection or faster link.
Audit Log	CASES has a full online session log, which can be configured to record all levels of access to data, including READ access. This data is held online for easy reporting access, and can be easily archived and retained.
Integration of CASES with other systems	CASES is designed to integrate with a variety of other systems through simple parameter and context interfaces. This includes document management systems, where CASES records the document reference ID and enables users to jump to the relevant document within the context of a CASES task, complete the document work and then revert to the CASES task. It also includes file tracking systems, whereby CASES can pass file reference ID's to a file tracking system, which can locate the file and return to the CASES screen. Similar extensions have been built to external database systems. Interfacing to other systems is implemented using CASES Agents.

1.7. CASES BUSINESS BENEFITS

Benefits to an organisation of using *CASES* are:

- Best practice for processing specific case types is defined by senior staff and is enforced and tracked by the system in a helpful and non intrusive manner.
- Changes to the workflow can be made by users without programming changes.
- Electronic case files and associated workflows generally reduced case processing time and cost.
- Benefits from *CASES* Workload management module are:
 - Work can be easily reassigned in the event of staff sickness or absence
 - Workload can be summarized and reviewed throughout the organization
 - Workloads can be balanced and monitored easily
- Integrated Document Management benefits are:
 - The document repository becomes searchable for research and precedent
 - Documents are held once
 - Documents are audited for change
 - Documents are backed up from a single source
 - Documents are version controlled with full change history and locking
 - Supports compliance with Government records management best practices

2. CASES TECHNICAL OVERVIEW

2.1. SYSTEM ARCHITECTURE

CASES is written in Borland Delphi and has been constructed as a class library using object oriented development techniques. CASES currently runs against the Microsoft SQL Server database but can also be implemented using Sybase or ORACLE. CASES uses stored procedures to encapsulate business logic.

CASES runs on workstations using Microsoft Windows 32 bit operating systems and could be ported to Linux. A minimum of Microsoft Windows 98 is recommended. A minimum hardware profile is a Pentium 500Mhz with 64mb of memory and 100Mb of available disk space.

CASES is implemented as a client server application. CASES supports Internet access using a restricted function front end.

CASES implements document management through an abstraction layer. The interface between CASES and the document management system allows connection to a logical or generic document repository. Currently the only supported repository is from Objective Corporation but near term plans also include support for TRIM.

A launcher is used to distribute the application to each user's desktop and also controls release bulletins and version management.

CASES uses 'Agents' for secure information interchange with other applications.

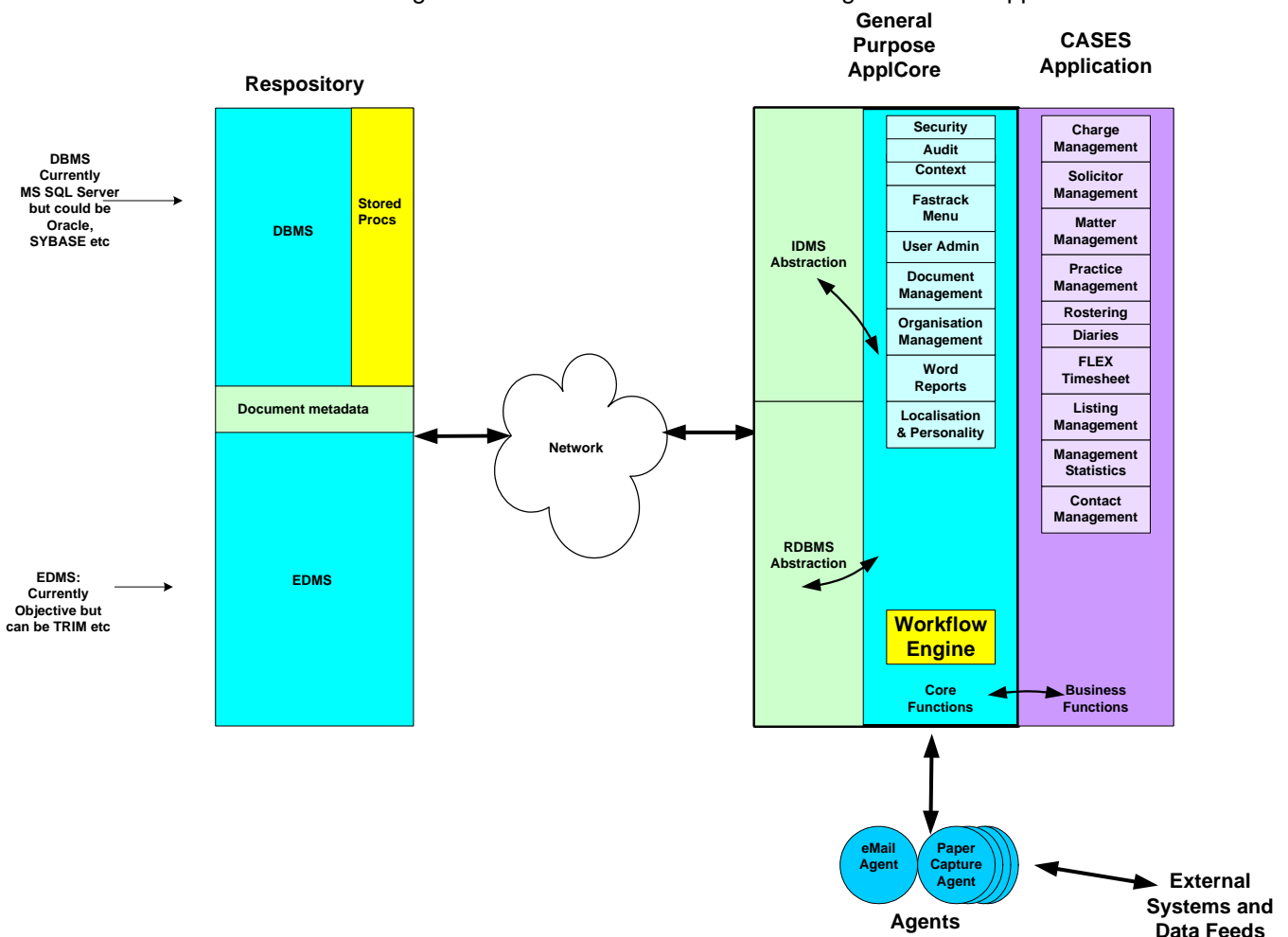
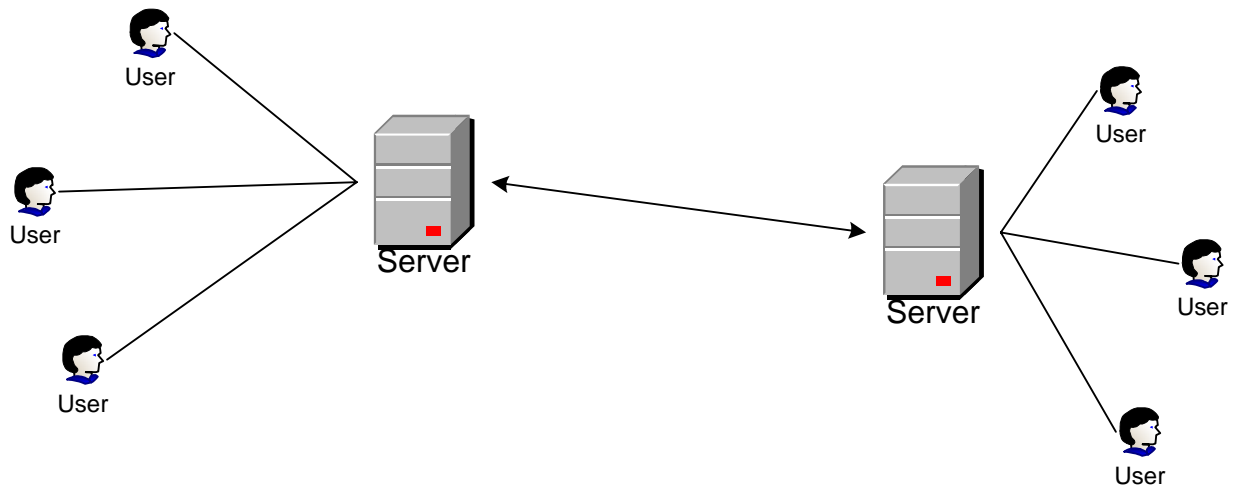
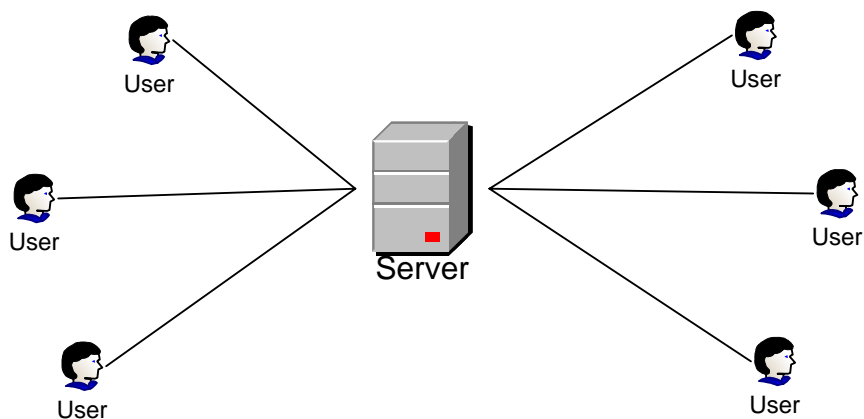


Diagram 1 CASES System Architecture

2.1.1. De-centralised**Diagram 2 CASES De-centralised****2.1.2. Centralised****Diagram 3 CASES Centralised****2.2. INTEGRATED DOCUMENT MANAGEMENT SYSTEM****2.2.1. Overview**

The integrated document management solution for *CASES* can be used to access industry standard EDMS (Electronic Document management Systems).directly and seamlessly from within *CASES*

One implementation of the *CASES* IDMS is based on Objective Corporation's product suite. Objective is a comprehensive Knowledge and Process Management solution that materially meets the functionality required by *CASES*.IDMS another such system is TRIM

The Integrated Document Management System (IDMS) provides *CASES* with the ability to manage, search and retrieve documents either through the full *CASES* application, or through a subset of the *CASES* application run from the desktop or through the native Objective client. The IDMS platform is also suitable for future knowledge management requirements.

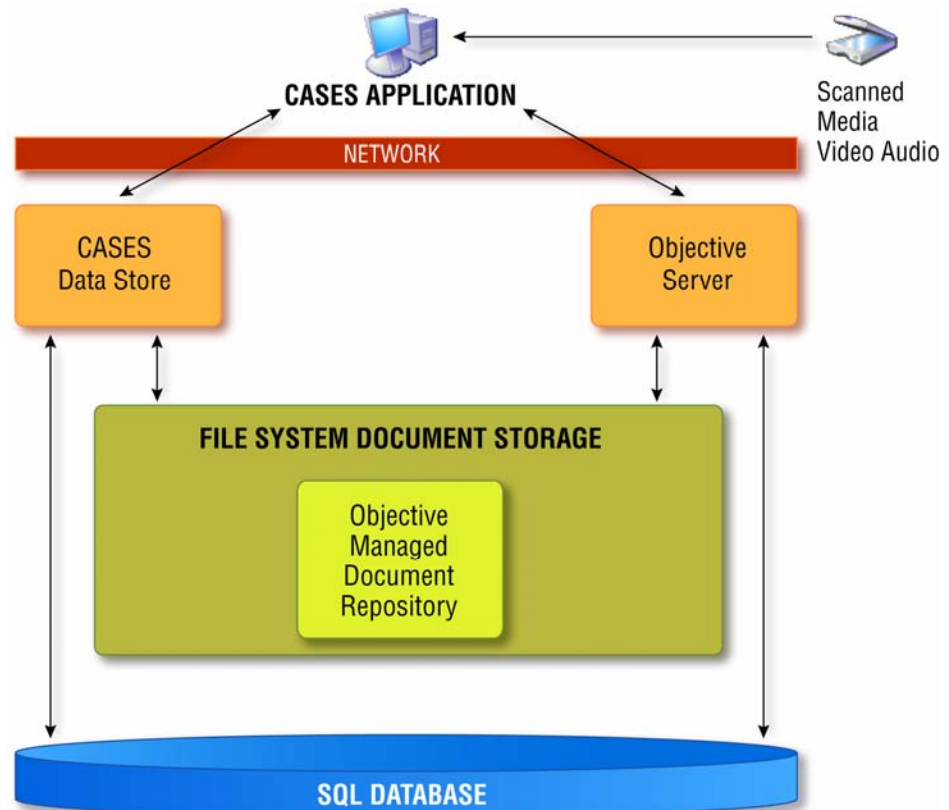


Diagram 2 Objective IDMS with CASES

2.2.2. CASES User Interface

General *CASES* users see the IDMS through the functionality provided within the *CASES* application screens. This is in the form of:

- Prompting users for additional information for “Logged” documents that are stored within the IDMS;
- A more powerful search facility to enable documents to be searched by meta-data or document contents; and
- The functionality to retrieve the documents & handle the return of search lists which are handled seamlessly for the user by the *CASES* application.

2.2.3. ‘Objective’ User Interface

Users could have access to the IDMS through the standard ‘Objective’ interface. These users could have access to the full ‘Objective’ product functionality that can be used for the

implementation of non-CASES solutions, plus for monitoring and administration purposes for the IDMS. This interface is not included in this document.

2.3. CASES AGENTS

A **CASES Agent** handles the data feed to other systems from **CASES**. A typical task for an **Agent** is to accept a data feed from another agency, parse, cleanse and upload this data into a quarantine area in a database for user-guided acceptance into the system. A screen appears which allows the users to review and accept the new data inputs with a few mouse clicks.

There are a number of existing **Agents** some of which are described below.

eMailToFile Agent.	This allows files of known format to be mailed to a specified address. If the sender was an authorized user then the file is uploaded to a local folder (an example of this allows a remote agency to update an intranet web page)
eMail Agent.	An email agent, which allows messages and electronic files to be sent directly to the Matter record from any email interface. For example an image and word document can be emailed to a party in charge of the Matter and if the Matter is referenced in the subject of the email, the message and the attached documents automatically become part of the CASES record. Alternatively the party in charge can forward such emails to CASES if they decide the message is relevant to the Matter .
MQSeries Agent.	This accepts data on an MQ Series feed parses and uploads it into a quarantine area.
eBrief Agent	This accepts a feed containing an AES encrypted composite set of brief documents with an XML description file. The file is automatically decrypted, unzipped, the XML is parsed and the documents are then converted to a large composite PDF suite of documents.
CHRIS Agent	The CHRIS Agent can be used to monitor changes made in the CHRIS human resource system and propagate the changes to other business systems. An example of its use is to monitor approved employee leave applications and automatically update the CASES roster to show the person is not available and also to show a reminder on the users Flex sheet.
Microsoft Access Agent	This agent accepts can upload data from access databases into the system. An example of its use is to accept new and updated charge codes from the Judicial Commission and update the CASES tables accordingly.

There are a number of class library implemented features, which can be plugged together in the construction of these agents:

- Email access using Microsoft Outlook or POP3 mailboxes.
- AES encryption/decryption.
- ZIP compression.
- XML parsing.
- MQ Series file and secure data transfer.
- PDF creation.
- CHRIS through Vision files and or MSSQL.
- SUN Financials.
- Logging to screen and file. (logs can be automatically emailed to nominated users)

- Configuration settings through registry and INI file.
- Authentication and SQL access using Microsoft MDAC to databases.

3. MATTER CREATION

The majority of matters in CASES no longer are created by data entry, most information arrives by data feeds, however this was not the case originally and hence the matter entry function is fast robust and easy to use. One key design requirement for the set of screens for entering new matter data was the need to allow keyboard operators to use non-mouse data entry. Hence the entire entry function can be driven using the keyboard alone.

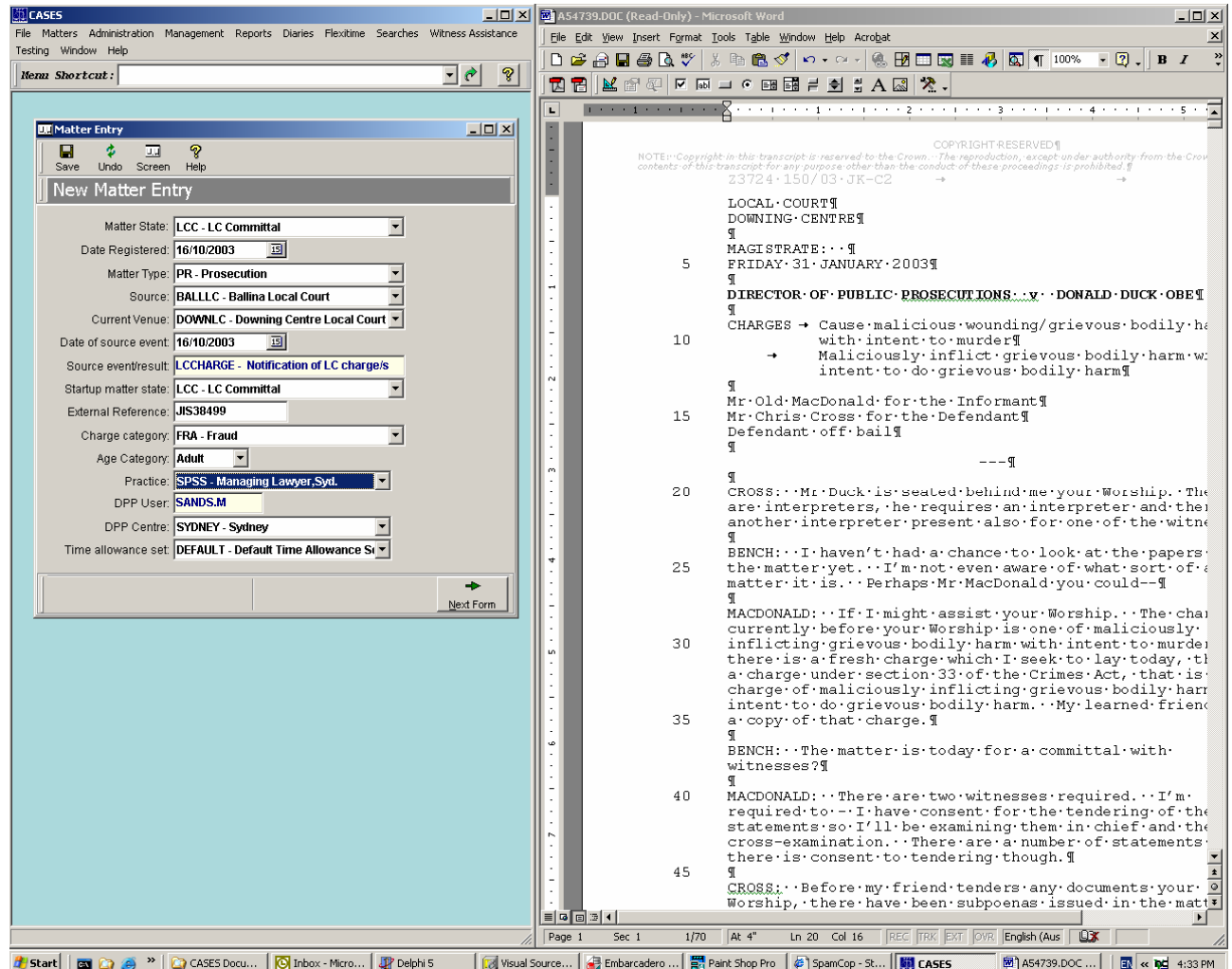


Figure 1.

The above illustration shows how matter entry is initiated and the workflow for a new matter is kicked off, the document on the right is not a matter document and is for illustrative reasons only. Most of the matter entry fields auto populate or use pick lists as you progress through the data entry task. The first screen on the left in **Figure 1** is reproduced in **Figure 2** for the sake of readability. Note that at this point it would be possible to use an OCR document on the right hand side and auto populate the form on the left, leaving the operator to check the data only against a searchable PDF image.

Matter Entry

Save Undo Screen Help

New Matter Entry

Matter State: LCC - LC Committal

Date Registered: 16/10/2003 15

Matter Type: PR - Prosecution

Source: BALLLC - Ballina Local Court

Current Venue: DOWNLC - Downing Centre Local Court

Date of source event: 16/10/2003 15

Source event/result: LCCHARGE - Notification of LC charge/s

Startup matter state: LCC - LC Committal

External Reference: JIS38499

Charge category: FRA - Fraud

Age Category: Adult

Practice: SPSS - Managing Lawyer, Syd.

DPP User: SANDS.M

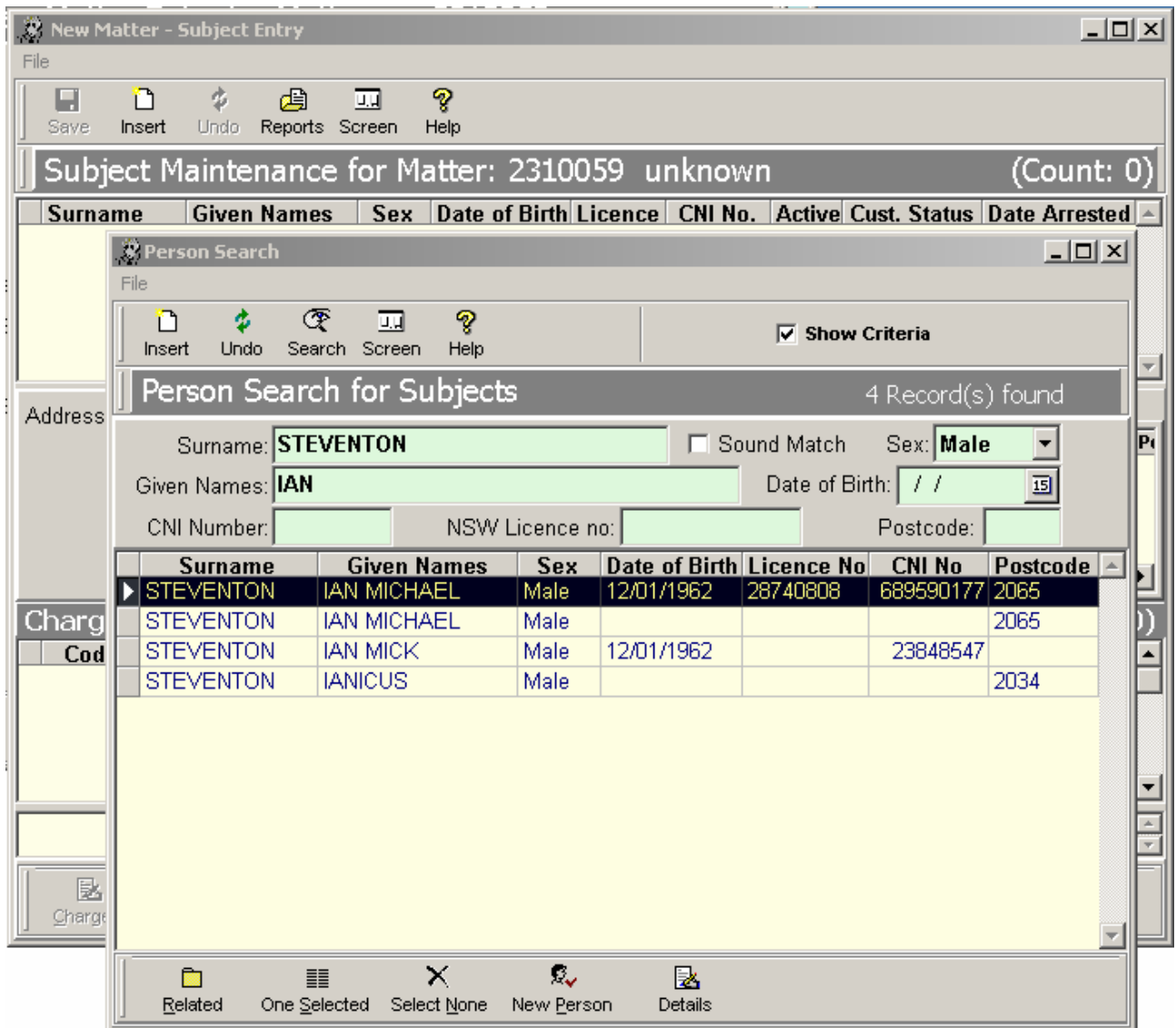
DPP Centre: SYDNEY - Sydney

Time allowance set: DEFAULT - Default Time Allowance St

Next Form

Figure 2

Once the data in the screen(s) above is complete the next for is for entering the persons who are involved in the matter as subjects witnesses or any other nominated role. This forces a person search to maintain the integrity of the person data as illustrated in **Figure 3** (see document CASES Person Party) and eliminates the need to re-key data for people already known to the system.



New Matter - Subject Entry

File

Save Insert Undo Reports Screen Help

Subject Maintenance for Matter: 2310059 unknown (Count: 0)

Surname Given Names Sex Date of Birth Licence CNI No. Active Cust. Status Date Arrested

Person Search

File

Insert Undo Search Screen Help

☒ Show Criteria

Person Search for Subjects 4 Record(s) found

Surname: ☐ Sound Match Sex:

Given Names: Date of Birth:

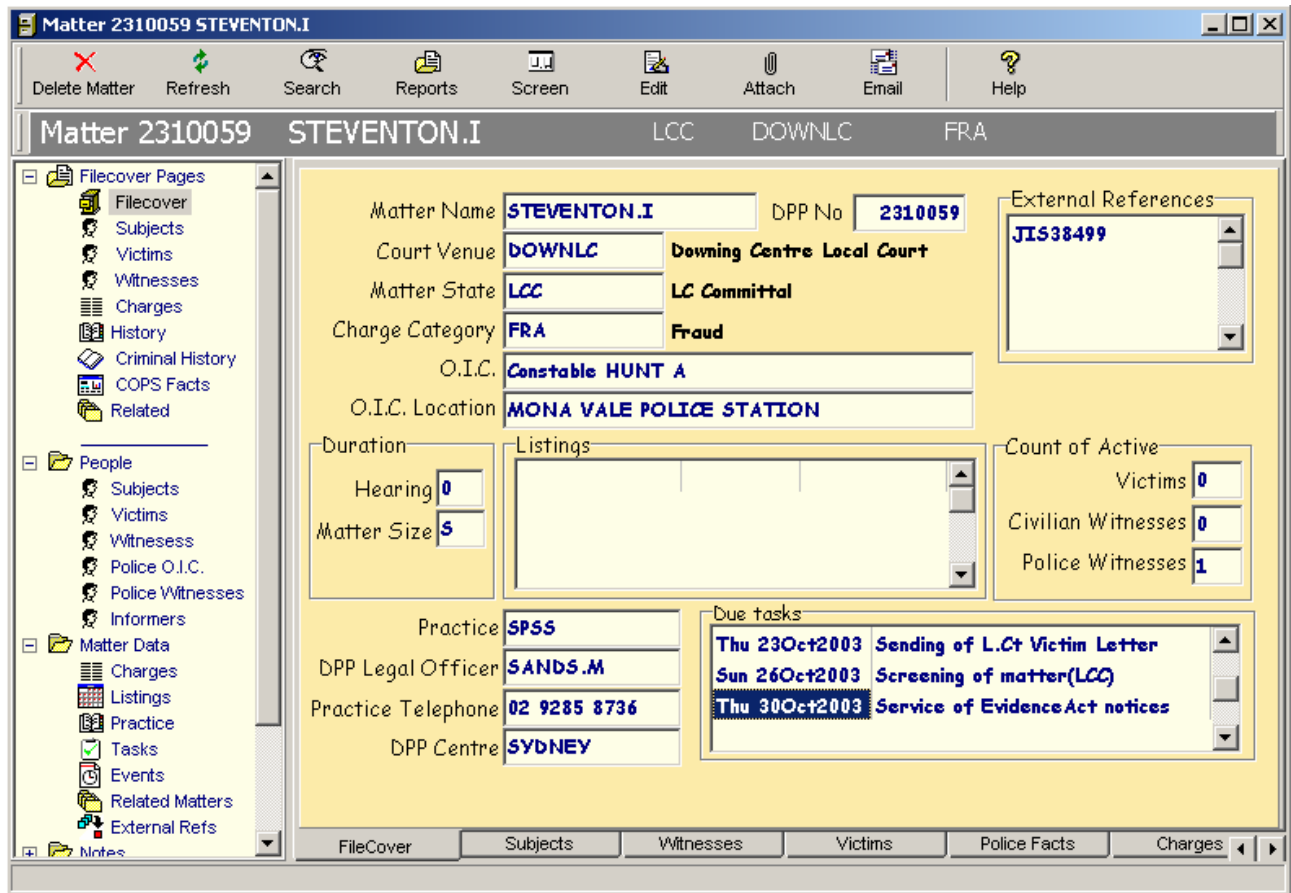
CNI Number: NSW Licence no: Postcode:

Surname	Given Names	Sex	Date of Birth	Licence No	CNI No	Postcode
STEVENTON	IAN MICHAEL	Male	12/01/1962	28740808	689590177	2065
STEVENTON	IAN MICHAEL	Male				2065
STEVENTON	IAN MICK	Male	12/01/1962		23848547	
STEVENTON	IANICUS	Male				2034

Related One Selected Select None New Person Details

Figure 3

Once the parties have been added to the matter the file cover screen appears with the current state of the new matter and the first set of required tasks dictated by the workflow, ready to add listings (hearings) and ready to go, the history already showing the first few steps taken on the new matter **Figure 4**.



The screenshot displays the iTec CASES software interface for a newly created matter named 'STEVENTON.I'. The window title is 'Matter 2310059 STEVENTON.I'. The interface includes a menu bar with options: Delete Matter, Refresh, Search, Reports, Screen, Edit, Attach, Email, and Help. Below the menu bar, the matter name 'Matter 2310059 STEVENTON.I' is displayed, along with the court venue 'LCC', 'DOWNLC', and 'FRA'.

The main form area is divided into several sections:

- Matter Information:**
 - Matter Name: STEVENTON.I
 - DPP No: 2310059
 - Court Venue: DOWNLC (Downing Centre Local Court)
 - Matter State: LCC (LC Committal)
 - Charge Category: FRA (Fraud)
 - O.I.C.: Constable HUNT A
 - O.I.C. Location: MONA VALE POLICE STATION
- External References:**
 - JIS38499
- Count of Active:**
 - Victims: 0
 - Civilian Witnesses: 0
 - Police Witnesses: 1
- Due tasks:**
 - Thu 23Oct2003: Sending of L.Ct Victim Letter
 - Sun 26Oct2003: Screening of matter(LCC)
 - Thu 30Oct2003: Service of Evidence Act notices
- Practice Information:**
 - Practice: SPSS
 - DPP Legal Officer: SANDS.M
 - Practice Telephone: 02 9285 8736
 - DPP Centre: SYDNEY

The left sidebar contains a tree view with categories: Filecover Pages, People, Matter Data, and Notes. The bottom of the window features a tabbed interface with tabs for FileCover, Subjects, Witnesses, Victims, Police Facts, and Charges.

Figure 4

The above shows the initial state of a newly created matter, the first set of required tasks appearing in the bottom right hand corner.

The illustration below **Figure 5** shows the history for the new matter, all achieved with a very few keystrokes.

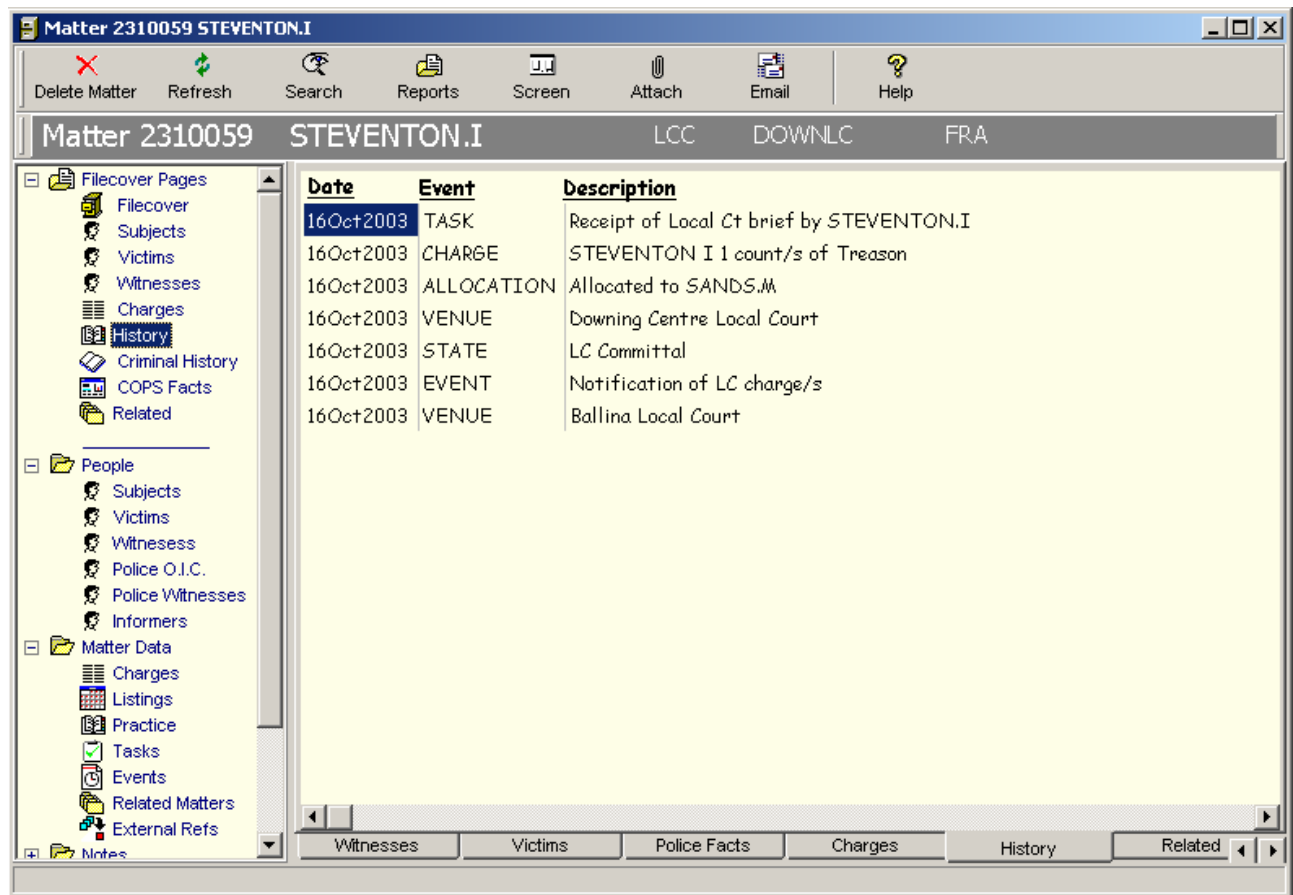


Figure 5

4. MATTER MANAGEMENT

A *MATTER* is basically a case file, that is, a related set of work that deals with a set of associated people such as accused, applicants, suspects (or a group of accused or suspects bound together by a set of common evidence) in a criminal matter and a set of related legal work around a brief for a civil matter.

A matter generally corresponds to a physical file (or a set of files).

Matters recorded within CASES are flexible in that they may be related to other matters (via a defined set of relationships), they may be split into several separate matters over time or they may be coalesced from several matters to one matter.

A matter may be in one of a number of relevant STATES and within each State there are a number of relevant TASKS and external EVENTS.

4.1. MATTER CARRIAGE WORKFACE

There are a number of different ways that a user may access a matter the most common being through their matter carriage workface. This screen shows a user a summary of the status of all of the matters within their practice, particularly highlighting those, which have tasks requiring attention **Figure 1**.

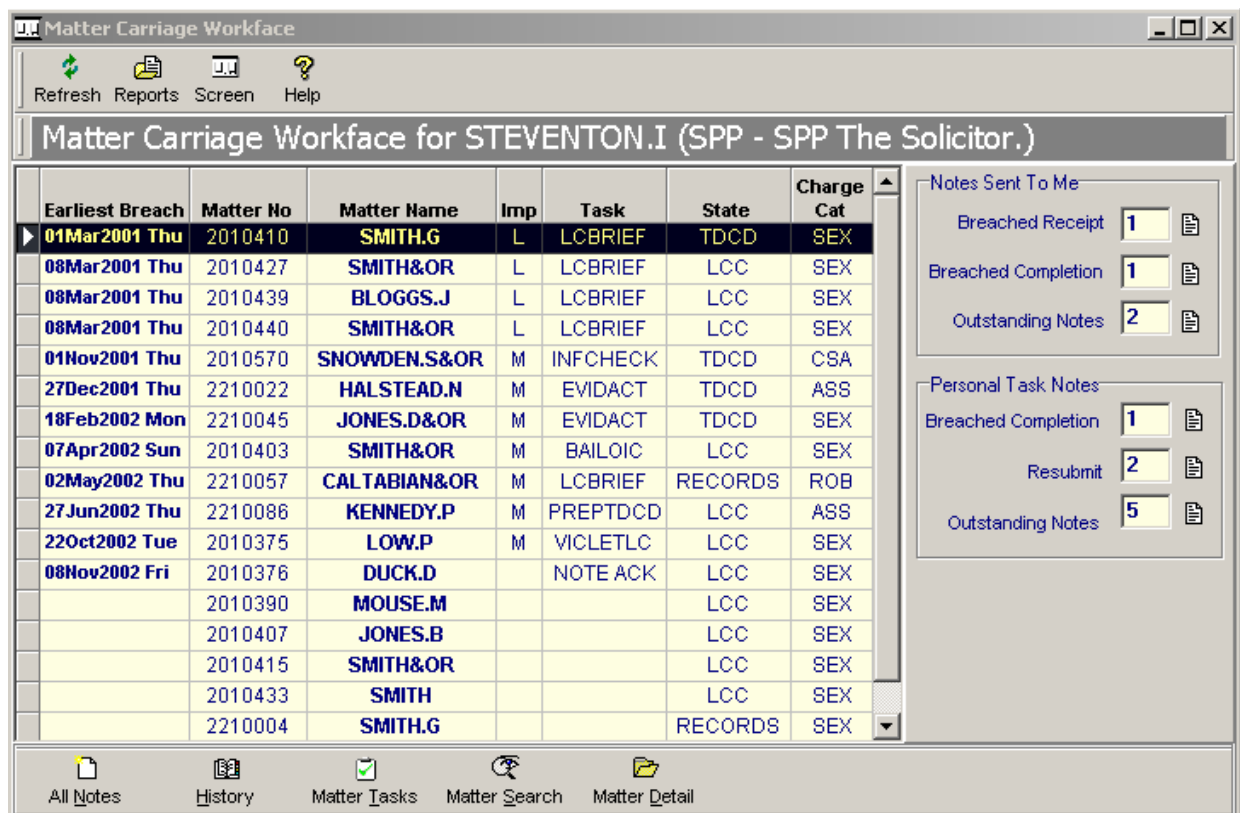


Figure 1

The user simply double clicks the matter to go directly to the file cover or selects from the buttons at the bottom of the screen to review the history, tasks notes etc.

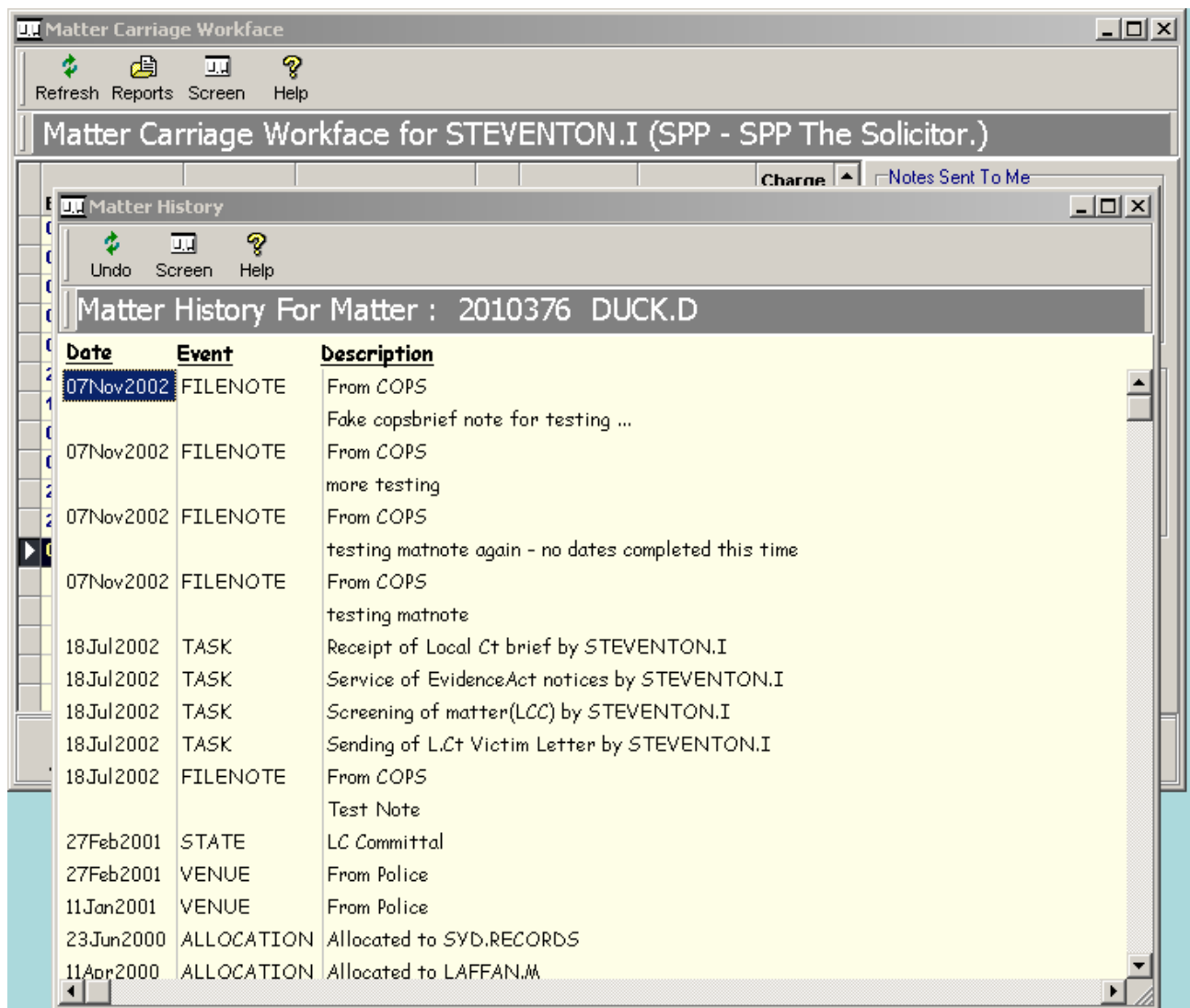
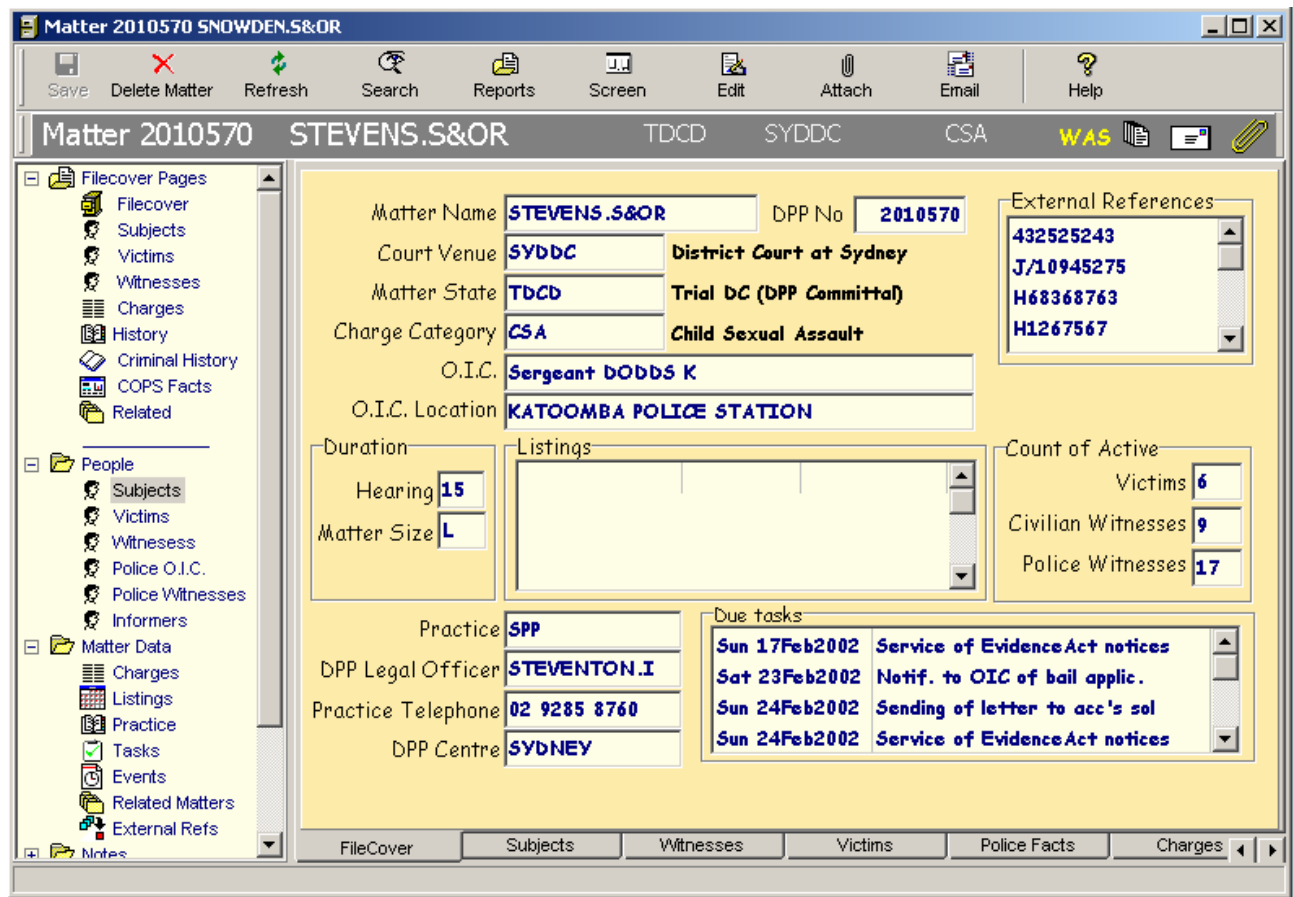


Figure 2

The illustration above **Figure 2** shows the result of selecting the history button on the carriage workface with the matter of DUCK.D highlighted. To proceed to the filecover **Figure 3** the user simply double clicks the matter or clicks the Matter detail button at the bottom of the screen.

4.2. MATTER FILE COVER

The file cover screen shown below is the hub of matter management and presents an easy to use interface to all of the aspects of a matter, including reviewing and adding people, documents, file notes, events and a whole host of business functions.



Matter 2010570 STEVENS.S&OR

TDCD SYDDC CSA **WAS**

Save Delete Matter Refresh Search Reports Screen Edit Attach Email Help

Filecover Pages

- Filecover
- Subjects
- Victims
- Witnesses
- Charges
- History
- Criminal History
- COPS Facts
- Related

People

- Subjects
- Victims
- Witnesses
- Police O.I.C.
- Police Witnesses
- Informers

Matter Data

- Charges
- Listings
- Practice
- Tasks
- Events
- Related Matters
- External Refs

Notes

Matter Name: **STEVENS.S&OR** DPP No: **2010570**

Court Venue: **SYDDC** District Court at Sydney

Matter State: **TDCD** Trial DC (DPP Committal)

Charge Category: **CSA** Child Sexual Assault

O.I.C.: **Sergeant DOBBS K**

O.I.C. Location: **KATOOMBA POLICE STATION**

Duration: Hearing **15** Matter Size **L**

Listings

Practice: **SPP**

DPP Legal Officer: **STEVENTON.I**

Practice Telephone: **02 9285 8760**

DPP Centre: **SYDNEY**

External References

- 432525243
- J/10945275
- H68368763
- H1267567

Count of Active

- Victims: **6**
- Civilian Witnesses: **9**
- Police Witnesses: **17**

Due tasks

- Sun 17Feb2002 Service of Evidence Act notices
- Sat 23Feb2002 Notif. to OIC of bail applic.
- Sun 24Feb2002 Sending of letter to acc's sol
- Sun 24Feb2002 Service of Evidence Act notices

FileCover Subjects Witnesses Victims Police Facts Charges

Figure 3

A user can navigate using either the tabs at the base of the screen or the tree control on the left or simply double click on a data item to go to more detail. For example the Tasks box in the bottom right hand corner of the screen reveals the popup shown in **Figure 4** allowing for tasks to be completed.

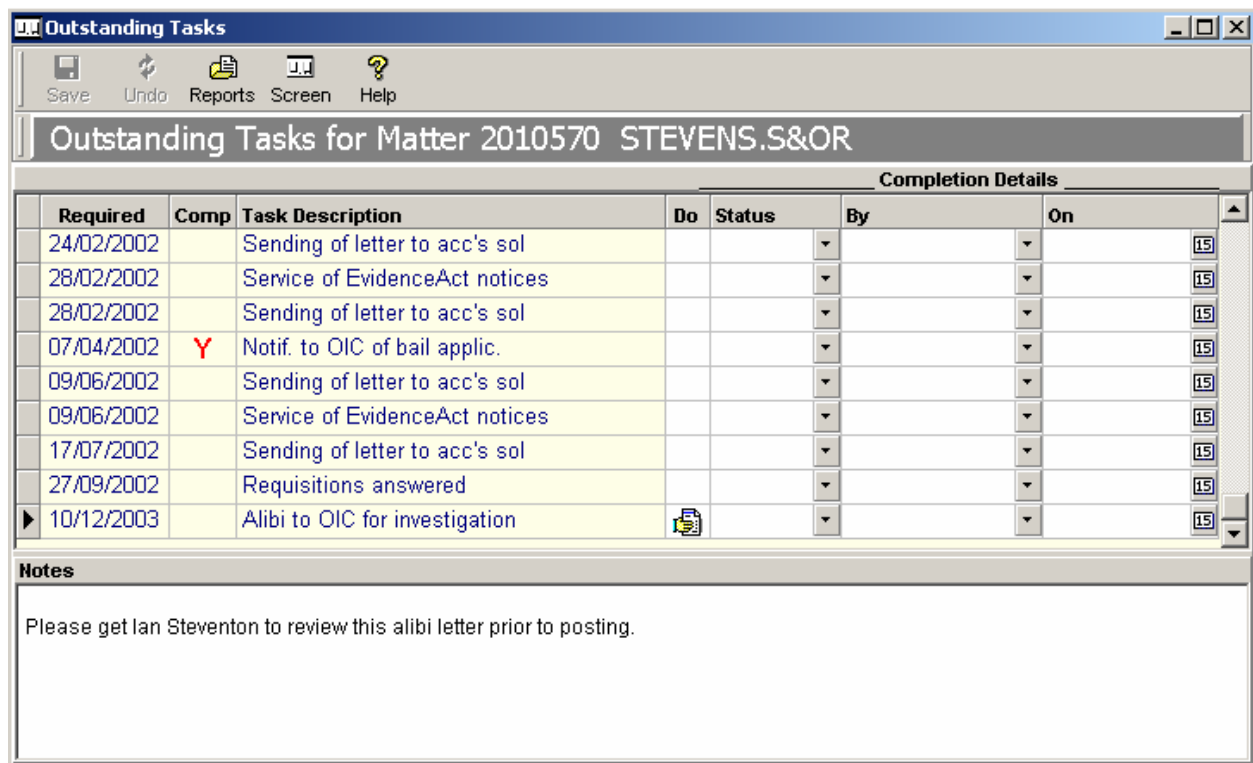


Figure 4

Note the report icon, which appears in the column labelled “Do” this is called a “Do Report” and in this instance the task is completed by the production of a standard document, all that is required is to click the document image and the word document is produced automatically.

4.3. MULTIPLE MATTER INTERFACE

An important feature of matter and practice management is that the user can open many matters at the same time and work on all at once. The application presents a Multi Document Interface (MDI), an example of which is shown in **Figure 5**.

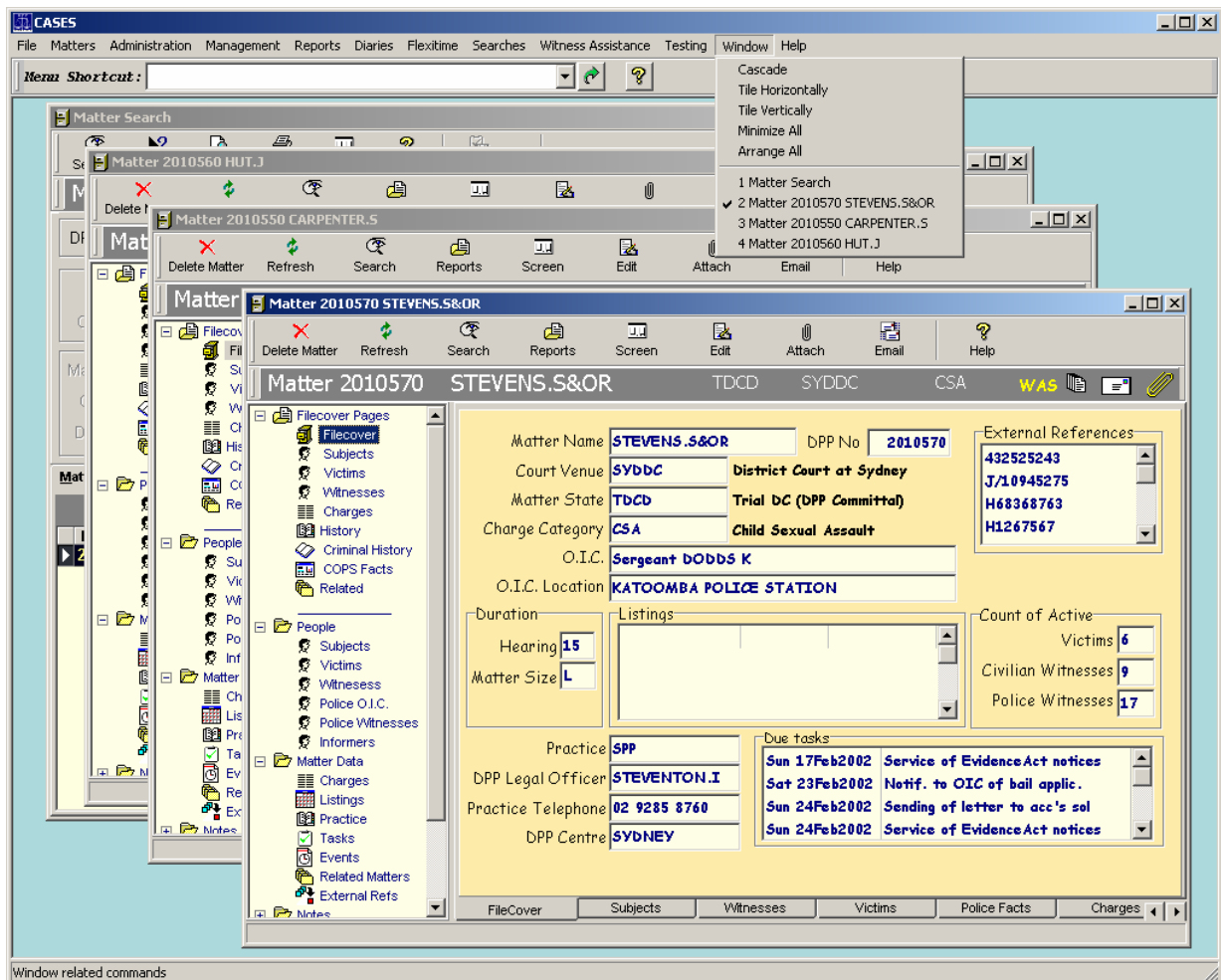


Figure 5

5. MATTER HISTORY

The matter history screen provides a very powerful facility for reviewing the complete history of a matter within the application, as shown below in **Figure 1**.

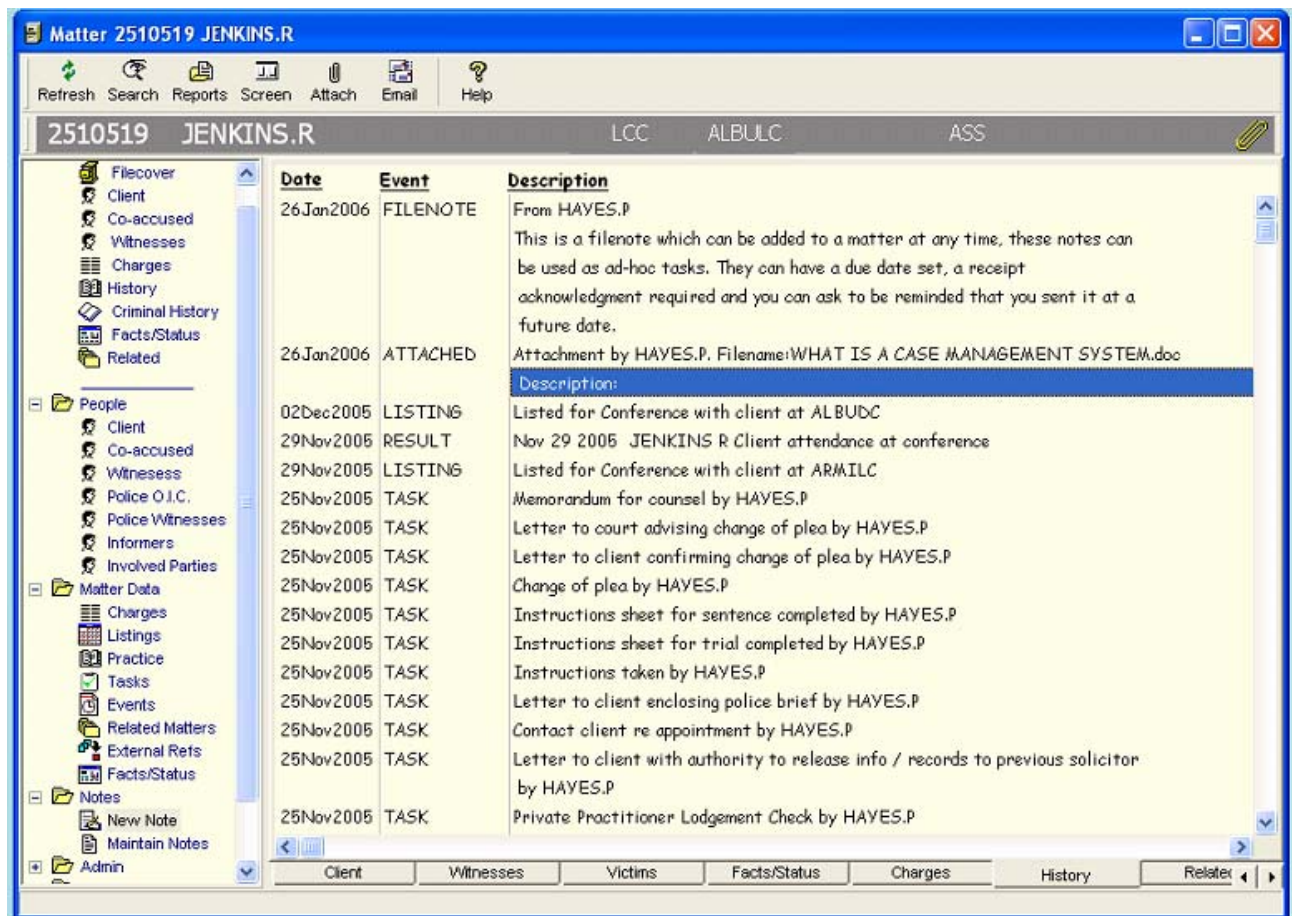


Figure 1

This screen is much more than just an online report it also allows the user to double click any event and been taken directly to the document, email, file note etc and review the full details.

In **Figure 2** below the user has clicked on the FILENOTE event and the system has opened the associated popup.

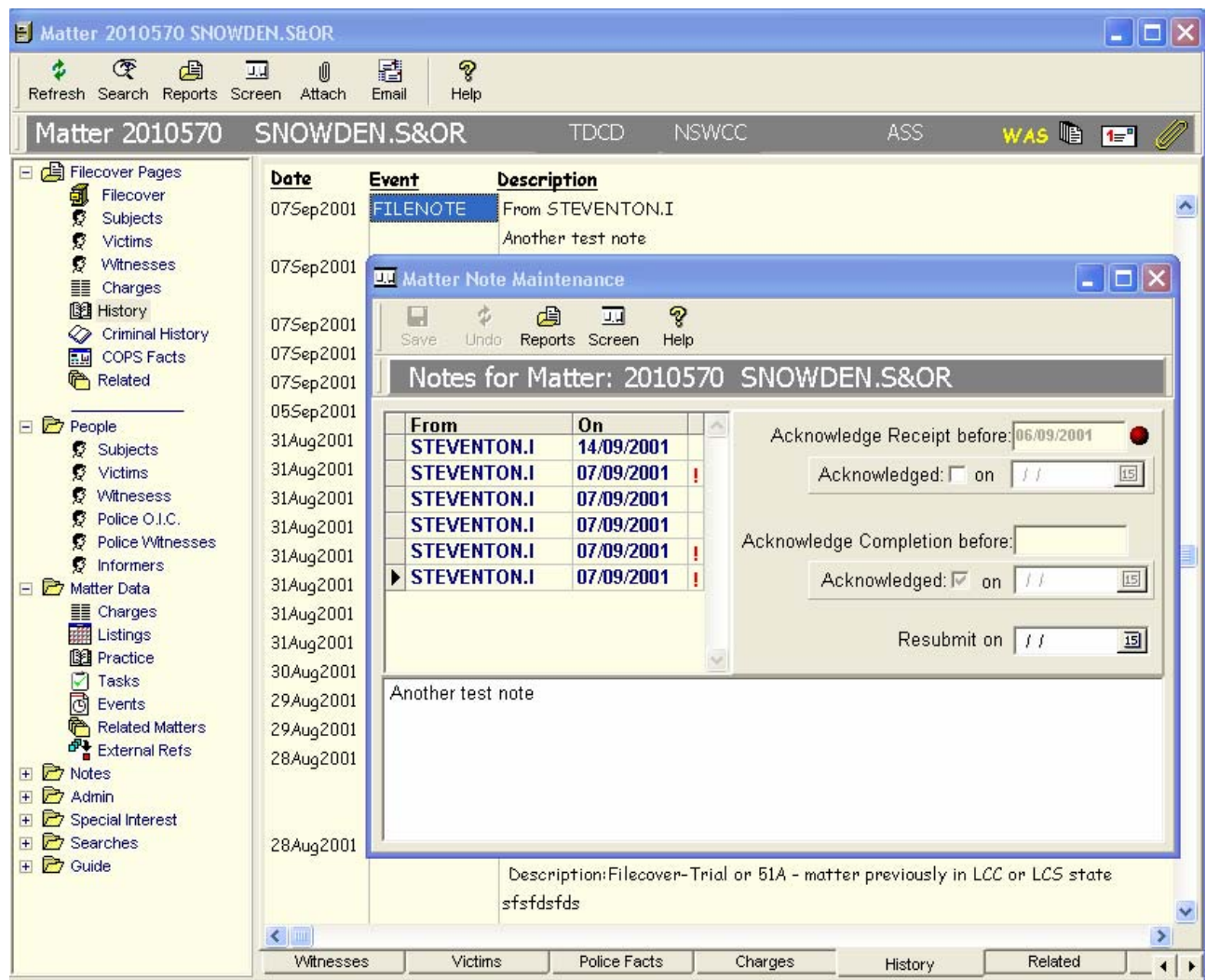


Figure 2

A hard copy is also available by clicking the reports button shown on the toolbar in **Figure 2** this button provides a list of dynamic reports, which can be attached to any CASES screen. The hard copy is produced as a Microsoft Word document and can be used as the basis of a matter summary, which can be provided to others for review. A sample of this document is shown in **Figure 3** below.

Document1 - Microsoft Word

File Edit View Insert Format Tools Table Window Help

102% Normal 10 B I

Matter History
ZHENG Y
2010571

Date	Event	Description
21 Feb 2003	ATTACHED	Attachment by STEVENTON.I. Filename:TRANSC-20011113-13Nov2001-FD-BALMLC-test1.doc Description:
21 Feb 2003	ATTACHED	Attachment by STEVENTON.I. Filename:TRANSC-20011114-14Nov2001-FD-BALMLC-test2.doc Description:
21 Feb 2003	ATTACHED	Attachment by STEVENTON.I. Filename:TRANSC-20011115-15Nov2001-FD-BALMLC-test3.doc Description:
21 Feb 2003	ATTACHED	Attachment by STEVENTON.I. Filename:TRANSC-20011116-16Nov2001-FD-BALMLC-test4.doc Description:
06 Sep 2001	LISTING	Listed for Mention at SYDDC
29 Aug 2001	RESULT	ZHENG Y Comm. for trial to Dist.Ct to 29 Aug 2001
29 Aug 2001	LISTING	Listed for Mention at SYDDC
23 Aug 2001	LISTING	Listed for Restraining Order Application at ARMDC
22 Aug 2001	DOCUMENT	Do Report by STEVENTON.I. Filename:filecover2rpt 2010571 22Aug2001 1509 Description:Filecover Local Court, 51A's, DC Appeals
20 Aug 2001	EMAIL	Email from ISteventon@odpp.nsw.gov.au you can put anything with a matterno 2010571 embedded in it and i Test2
20 Aug 2001	EMAIL	Email from ISteventon@odpp.nsw.gov.au RE: 2010571 test1
20 Aug 2001	ATTACHED	Attachment by STEVENTON.I. Filename:Launcher.ini Description:The launcher program for CASES2

Page 1 Sec 1 1/1 At 8.1cm Ln 12 Col 51 REC TRK EXT OVR English (U.S)

Figure 3

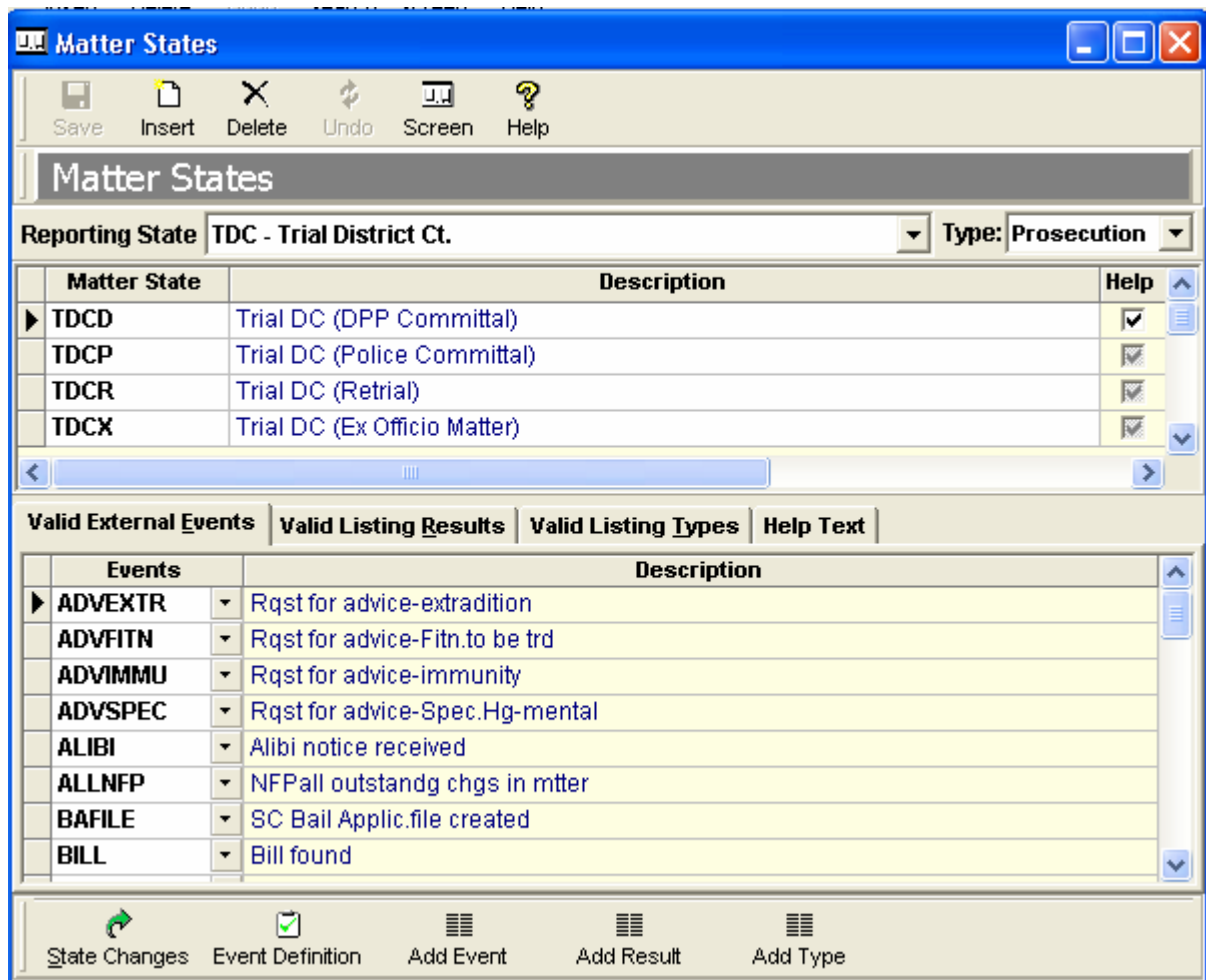
6. WORKFLOW DEFINITION

The cases workflow is based on a set of concepts described below.

6.1. STATES

A STATE is a natural subdivision of the procedural process that a Matter can undergo. Defining and connecting a sequence of such States build up the basic workflow in the system.

A STATE usually corresponds to the level of the matter in the courts hierarchy ie the matter may be before a Local Court and is therefore defined as being within the State "Local Court"



Matter State	Description	Help
TDCD	Trial DC (DPP Committal)	<input checked="" type="checkbox"/>
TDCP	Trial DC (Police Committal)	<input checked="" type="checkbox"/>
TDCR	Trial DC (Retrial)	<input checked="" type="checkbox"/>
TDCX	Trial DC (Ex Officio Matter)	<input checked="" type="checkbox"/>

Events	Description
ADVEXTR	Rqst for advice-extradition
ADVFTN	Rqst for advice-Fitn.to be trd
ADVIMMU	Rqst for advice-immunity
ADVSPEC	Rqst for advice-Spec.Hg-mental
ALIBI	Alibi notice received
ALLNFP	NFPall outstandg chgs in mttter
BAFILE	SC Bail Applic.file created
BILL	Bill found

Figure 1

The goal of the system is to move matters through state to take them from input states to completed states in a timely and efficient manner following user defined "best practice". The state transitions are defined and maintained using workflow screens such as illustrated in **Figure 2** below.

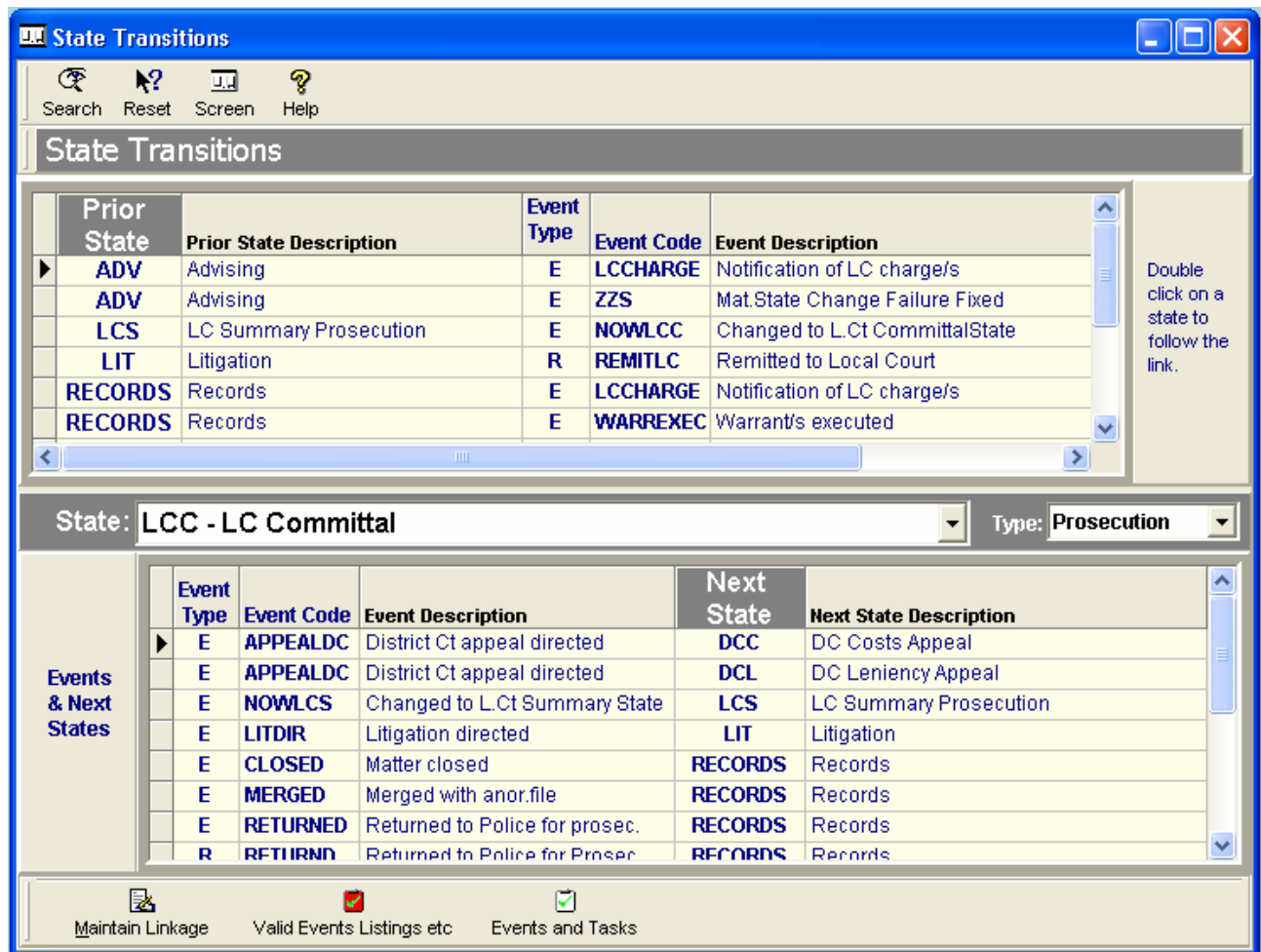


Figure 2

6.2. TASKS

A TASK is a self-contained piece of work that can be completed on a Matter whilst it remains within one State.

For each State there is a separate list of relevant Tasks. The list of valid Tasks may be varied by the organization when required. These tasks can be compulsory or optional, and the completion of one task can trigger a new set of tasks or tasks can be triggered by an external event. Tasks can also be dynamically created and sent to the creator at a later date or they can be sent to a nominated other person on the system. Tasks can be readily automated in the system through the use of a Task Manager - this enables reports or letters to be simply constructed that are driven by the context of the current matter - for example to send subpoenas to all witnesses for a particular court listing requires one mouse click or keystroke.

Workflow Definition

Save Insert Delete Undo Search Screen Help

Workflow Type Task Search 0%

Code	Description	Importance	Help ?	Active ?	Security Group
ACCLETTR	Sending of letter to acc's sol	M	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
ADUPDATE	Entry of DPP's decision(EVENT)	L	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
ALIBIOIC	Alibi to OIC for investigation	M	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
ALIBIREP	Alibi report received from OIC	M	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
▶ BAILOIC	Notif. to OIC of bail applic.	M	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
BILNOTIF	Defence notified of bill found	M	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
BRIEFAGA	Brief on file.AGA	L	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CCAAN	Prep. of Unrevised Adv.Note	M	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CCAANS	Prep of Advance Notes(St.case)	M	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CCABRFPR	Brief/part brief to CP-pros ap	M	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CCABRIEF	Brief/part brief to CP-def.app	M	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Spawned Tasks ☒ Time Allowances ☐ Help Text ☐ Events which spawn this task ☒

Tasks created by completing Task BAILOIC

If Moved to New State	Charge Category	Task Code	Task Description	Optional ?

The following time constraints apply for task

Time Set	Adult		Juvenile	
	Months	Days	Months	Days

Reporting States States Events etc State Changes Add Task Add Absolution

Figure 3

6.3. EVENTS

EVENTS are generally things that occur externally. They normally result in a series of related tasks being generated and may also trigger a change in the STATE of the matter.

Events can be listing events, which identify that a matter is listed before a court, or they may be such simple events as the registration of a new matter or the receipt of an alibi letter. Again, all events, tasks & states are completely configurable by the organisation and require no programming changes in the system.

Workflow Admin

Save Insert Delete Undo Search Reset Print Screen Help

Workflow Object **Event** Search 0/0

Code	Description	Importance	Help ?	Active ?	Security Group
ADVINT	Rqst for adv.-interstate trans	H	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADVJU104	Rqst for advice-Sup Ct 104 app	H	<input type="checkbox"/>	<input type="checkbox"/>	
ADVLENI	Rqst for advice-leniency appDC	H	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADVNOCHG	DPP decision-no charges	H	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADVPRER	Rqst for advice-prerog. relief	H	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADVSC56	Rqst for advice- Sup Ct 56 app	H	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADVSPEC	Rqst for advice-Spec.Hg-mental	H	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADVSTAT	Rqst for advice-stated case	H	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
▶ ALIBI	Alibi notice received	H	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ALLNETO	DPP decsn- NETO all charges	H	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

☒ Spawned Tasks
 ☐ Tasks Absolved
 ☐ Help Text
 ☒ States where this event can occur

The following tasks are created by Event ALIBI

If Moved to New State	Charge Category	Task Code	Task Description	Optional ?	Produce Document
TDCD	ALL	ALIBIOIC	Alibi to OIC for investigation	0	AlibiLetter
TDCP	ALL	ALIBIOIC	Alibi to OIC for investigation	0	AlibiLetter
▶ TDCR	ALL	ALIBIOIC	Alibi to OIC for investigation	0	
TDCX	ALL	ALIBIOIC	Alibi to OIC for investigation	0	
TDCD	ALL	ALIBIOIC	Alibi to OIC for investigation	0	

The following time constraints apply for task ALIBIOIC

Time Set	Adult		Juvenile	
	Months	Days	Months	Days
▶ Default Time Allowance Set	0	7	0	7

Reporting States
 States Events etc
 State Changes
 Add Task
 Add Absolution

Figure 4

Using these basic concepts CASES provides a simple, clear mechanism for an organization to construct a computerised procedure manual that assists, guides and monitors the performance and management of legal work in the organization. The association of responsibility of staff with matters and tasks enables a comprehensive picture of workload to be identified and monitored, together with detailed review of performance of managers of such staff.

The screen shown in **Figure 5** illustrates the mechanism used to add new possible state changes for particular system events.

Possible State Changes

Save Insert Delete Undo Reset Screen Help

ADV - Advising

When a matter is in the above state the following events are possible:

Event Type	Event Code	Description	State Change
E	ADVNOCHG	DPP decision-no charges	<input checked="" type="checkbox"/>
E	APPEALDC	District Ct appeal directed	<input checked="" type="checkbox"/>
E	CCAPROS	CCA prosecution app. directed	<input checked="" type="checkbox"/>
E	CCASENT	CCA sentence appeal recvd	<input checked="" type="checkbox"/>
E	CLOSED	Matter closed	<input checked="" type="checkbox"/>
E	EXOFFIC	Ex officio indict. directed	<input checked="" type="checkbox"/>
E	HCPROS	High Ct pros. appeal directed	<input checked="" type="checkbox"/>

If the event selected above occurs the matter state should change to one of :

Matter State	Description
CAP	CCA Prosecution Appeal


 Add State

Figure 5

7. SECURITY

7.1. ACCESS SECURITY

Access to the CASES system is restricted by a login dialog. Once a user has identified themselves to the system their security profile is established.

If the user leaves the computer unattended for a period of time (established by the system administrator on a system or user level) the session will timeout and a password needs to be re-entered.

The system generates random 6 digit (3 alpha and 3 number) login codes, which can also help make password-guessing attacks more difficult (and comply with security policy).

7.2. SECURITY LEVELS

CASES security is implemented at two levels :

- Business function security.
- Matter security.

These security levels are described in more detail below.

7.3. BUSINESS FUNCTION SECURITY

The CASES menu system is dynamic and only reveals business functions to a user for which they have been granted security access.

Security access to business functions is managed by the use of user groups. These groups provide access to a set of related business functions, which can contain groups of functionally related or job related transactions.

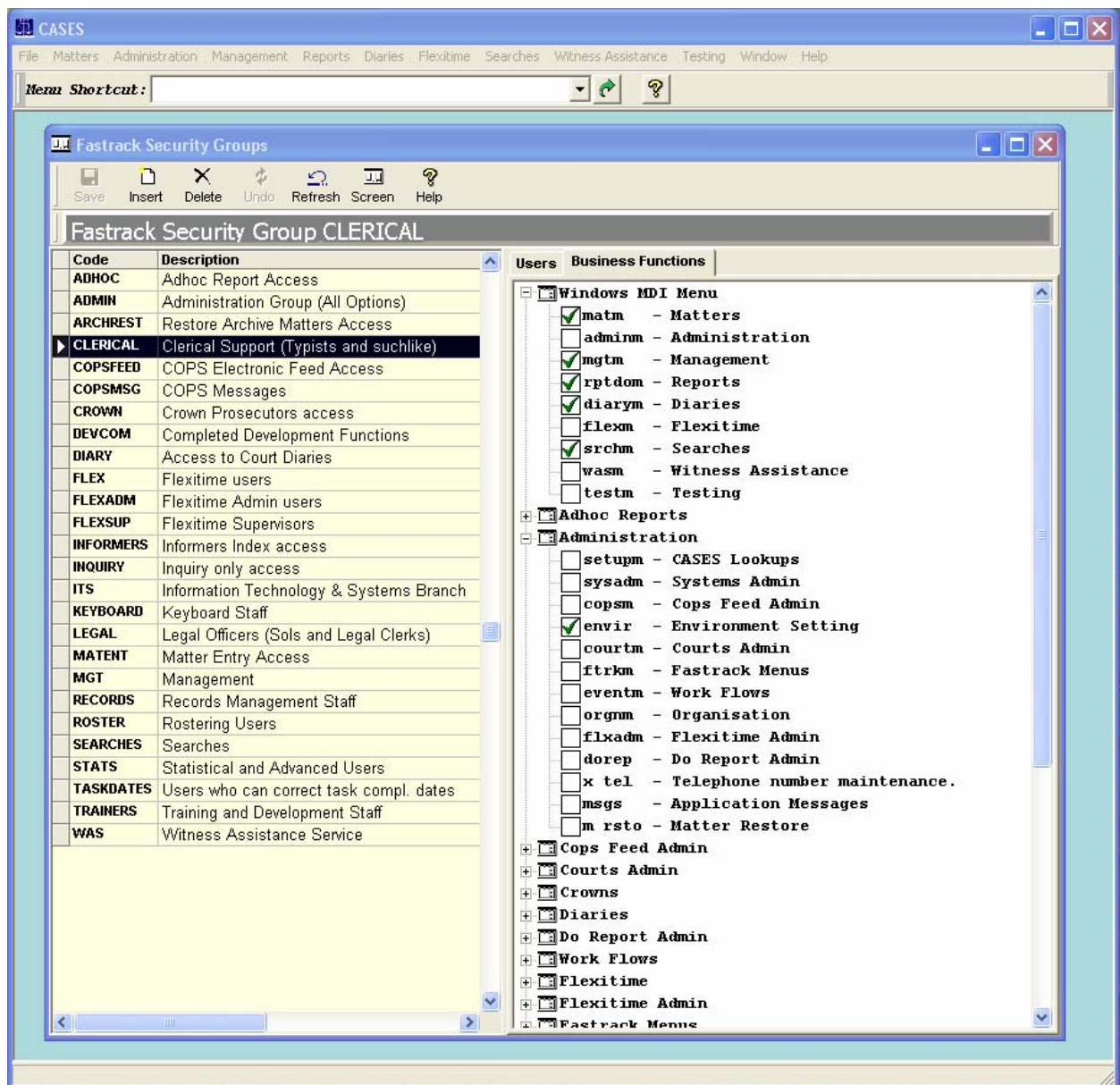


Figure 1

The screen capture above **Figure 1** shows the screen used to create user groups and assign business functions and users to the groups.

The right hand panel shows the business functions and “fasttrack” codes used to gain quick access to these functions. A fasttrack code saves users from having to navigate the menu system for access to business functions they access regularly. These codes can be typed into the Menu shortcut field shown in the illustration much like a URL in a web browser. Note that even the main groups which appear in the windows MDI menu can be removed from a users menu providing a very restricted or cut down view of the system.

Figure 2 below shows the users who are members of this group; users can be included or excluded simply by ticking or un-ticking the box. Please note that even though this is development data, login ids have been obscured for security reasons.

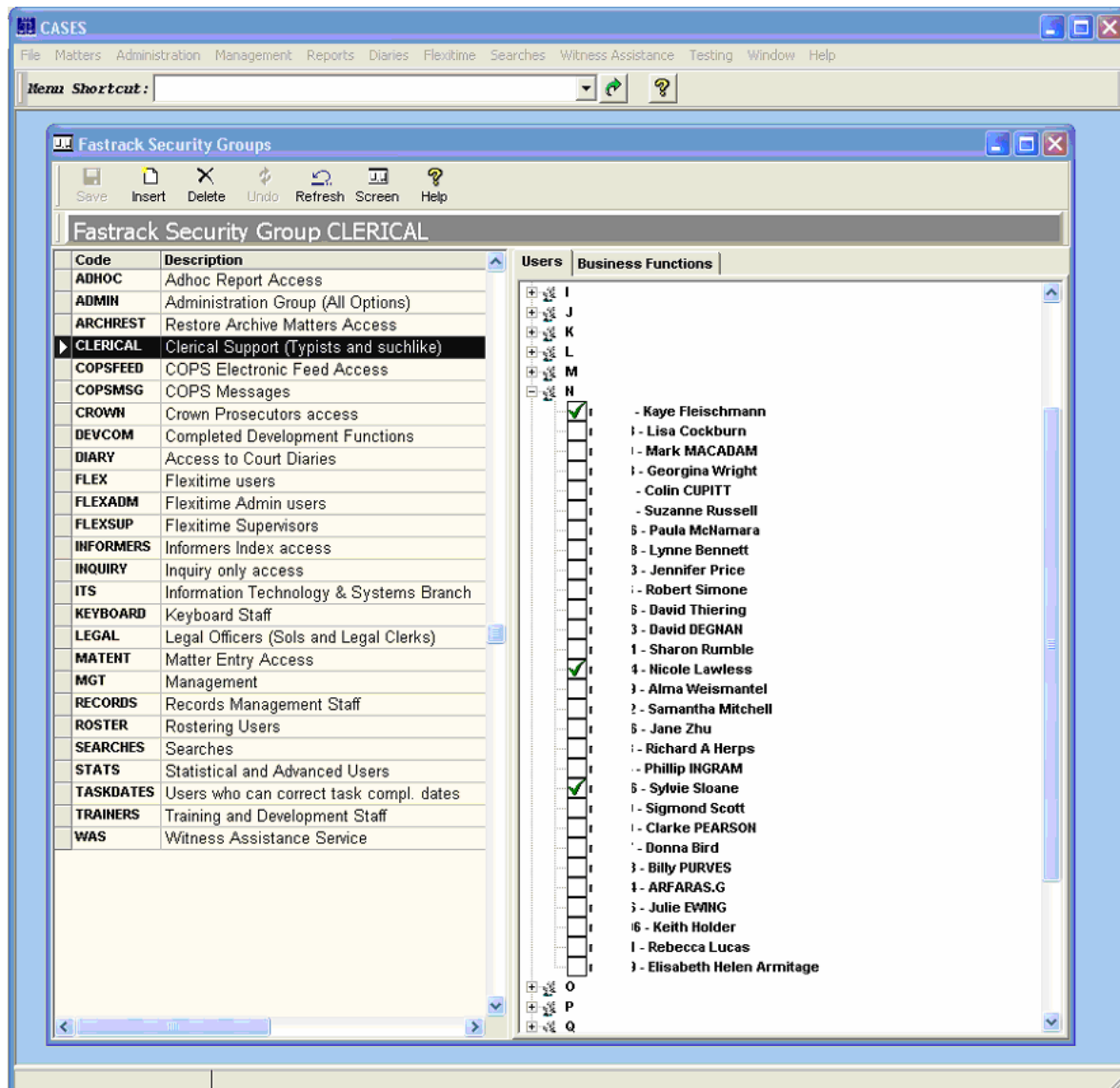


Figure 2

Note that a user can be a member of as many user groups as necessary to provide required access to the system. Typically some user groups are set up to represent roles within the organization, such as clerk or manager and some user groups for grouped and privileged business transactions such as system administration.

7.4. MATTER SECURITY

Once a user has access to the business functions within the system another layer of security protects the business data objects. In order to view or access a matter the core business object of CASES a user must have security access to that matter. This access is once again handled using sensible defaults (which can be overridden).

All matters within the system are attached to a practice this is a means of grouping cases into bundles of work, another benefit being that if a person is on extended sick leave or leaves the organization their practice can be transferred and covered by another employee. This is a matter of a simple drag and drop of a filing cabinet icon in the organization maintenance

screen **Figure 3**. In this illustration the two Crown clerical support practices are vacant and the case load is being managed by the Clerk to chambers.

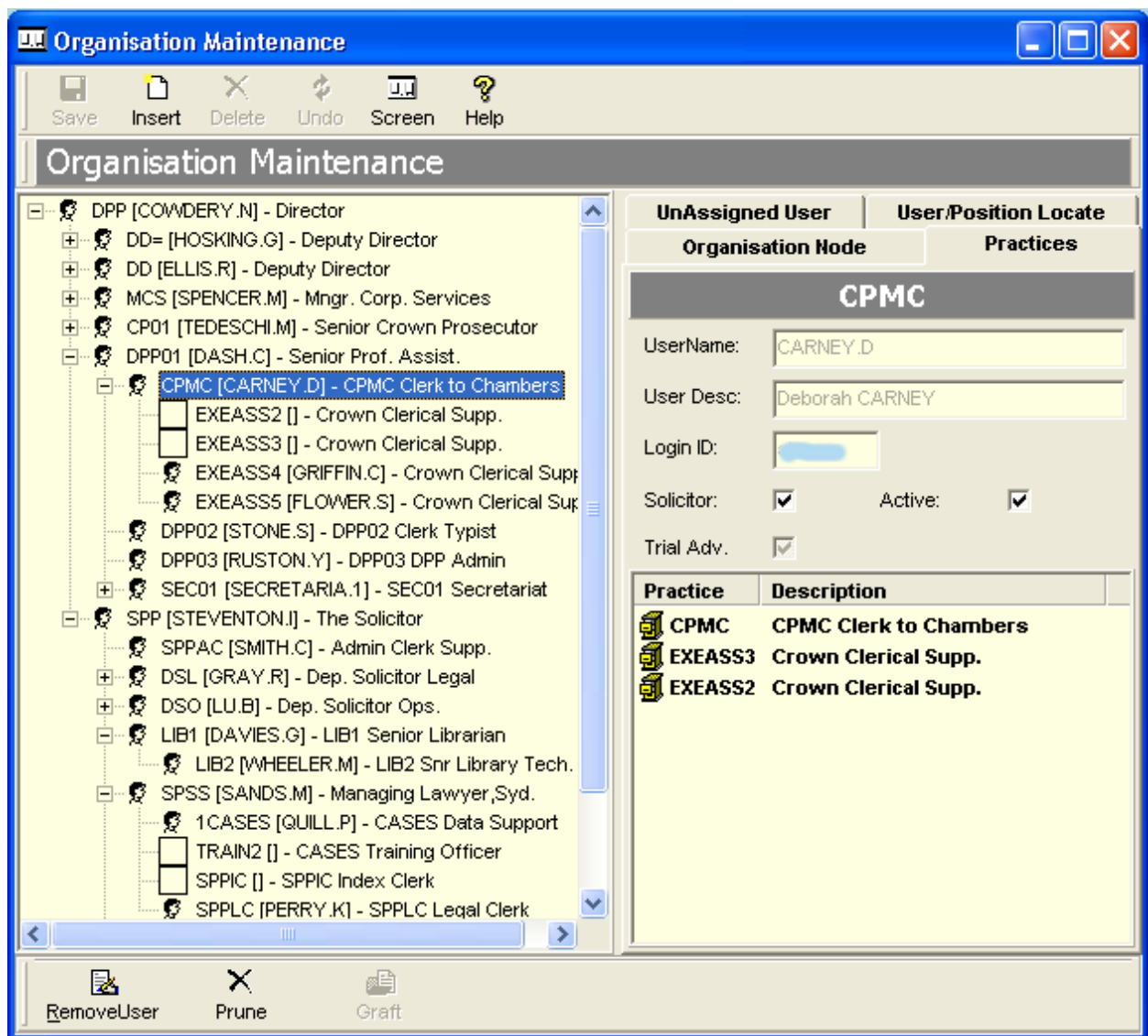


Figure 3

Practices are assigned at any time to a position in the organisation . A position must be filled by a user in order to have practices attached. This gives the user access to the matters within their assigned practice(s), however this also gives access to the matter to their supervisor and their supervisors supervisor all the way up to the head of the organization.

There is also a concept of a set of privileged users who have access to a group of practices in order to access and update the matters . This is typically used to assign access to administrative assistants with group responsibility for posting documents producing reports and other such tasks.

From the matter file cover screen a user can review who has security access to a matter and can actually remove some of the access to others, as shown in **Figure 4** below.

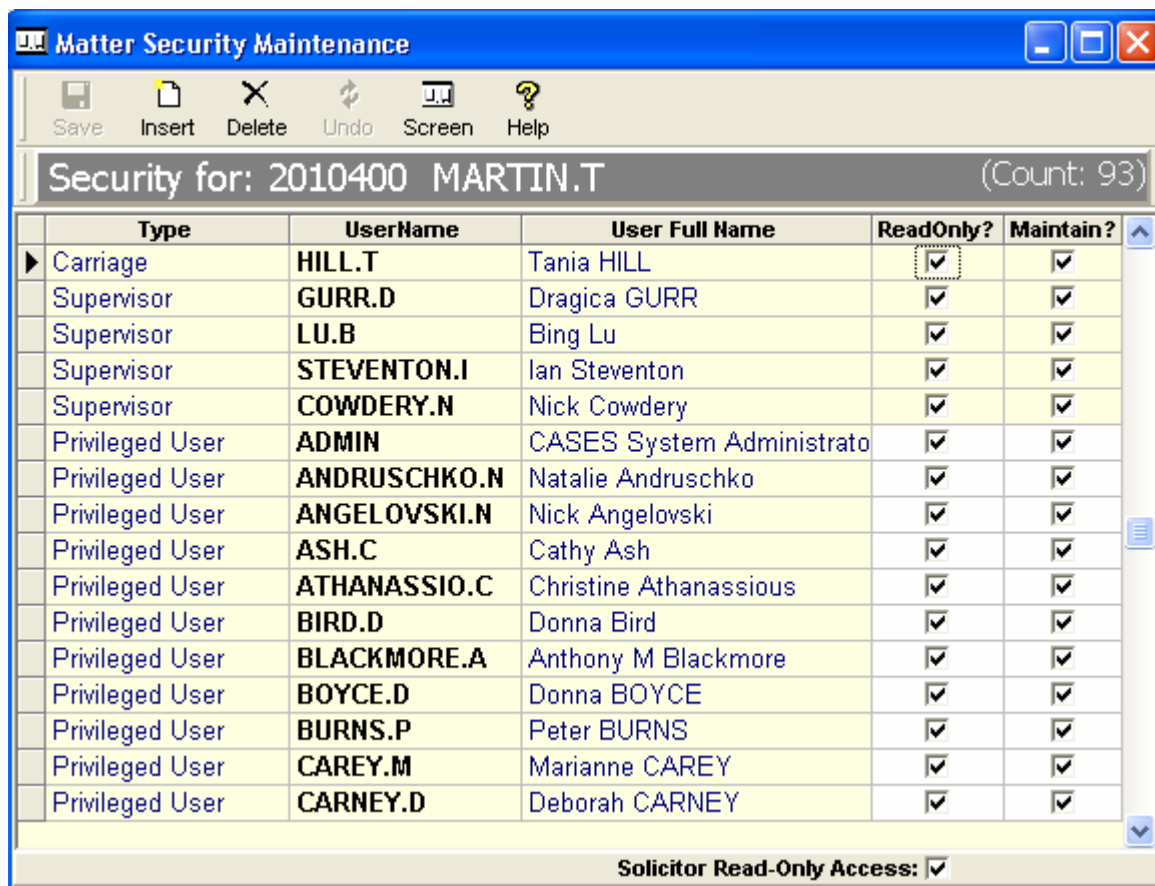


Figure 4

There are even more secure areas of the system where even though access has been granted to the business function, a second password is requested. Such data may even be stored encrypted; such areas include sensitive information such as data pertaining to informers or juveniles.

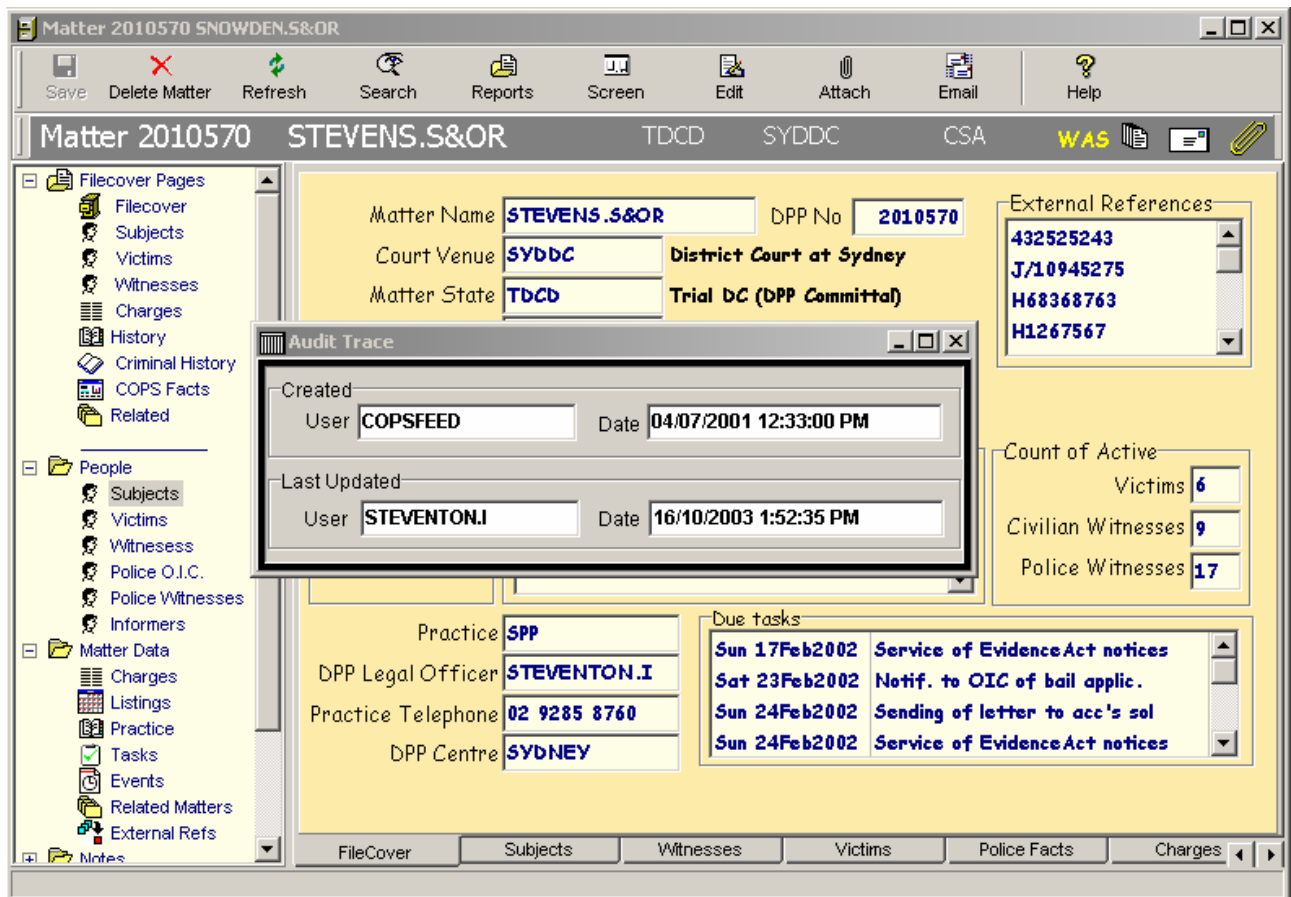
8. AUDITING

CASES maintains three types of audit trail:

- Record level auditing
- Table level auditing
- Session logging.

8.1. RECORD LEVEL AUDITING

Record level auditing is stored in every database table and holds a log of every record recording who created the record and the last user to update. An example of this is shown in **Figure 1**. In most cases deletion of sensitive data is not permitted, for example the only reason the delete matter button appears on the screen below is because the screen capture was produced when logged in with “Delete Matter” privilege. The audit is available by right clicking on the data item and select the audit option from the context popup. In the event of delete audit being required this is implemented using table level audit.



The screenshot displays the CASES software interface for Matter 2010570 STEVENS.S&OR. The main window shows various data fields and an 'Audit Trace' window.

Matter 2010570 STEVENS.S&OR

Menu: Save, Delete Matter, Refresh, Search, Reports, Screen, Edit, Attach, Email, Help

Navigation: Filecover Pages, Subjects, Victims, Witnesses, Charges, History, Criminal History, COPS Facts, Related, People, Subjects, Victims, Witnesses, Police O.I.C., Police Witnesses, Informers, Matter Data, Charges, Listings, Practice, Tasks, Events, Related Matters, External Refs, Notes

Matter 2010570 STEVENS.S&OR

DPP No: 2010570

Court Venue: SYDDC District Court at Sydney

Matter State: TDCB Trial DC (DPP Committal)

Audit Trace

Created: User: COPSFEED Date: 04/07/2001 12:33:00 PM

Last Updated: User: STEVENTON.I Date: 16/10/2003 1:52:35 PM

External References

432525243
J/10945275
H68368763
H1267567

Count of Active

Victims: 6
Civilian Witnesses: 9
Police Witnesses: 17

Practice SPP

DPP Legal Officer: STEVENTON.I

Practice Telephone: 02 9285 8760

DPP Centre: SYDNEY

Due tasks

Sun 17Feb2002 Service of Evidence Act notices
Sat 23Feb2002 Notif. to OIC of bail applic.
Sun 24Feb2002 Sending of letter to acc's sol
Sun 24Feb2002 Service of Evidence Act notices

FileCover, Subjects, Witnesses, Victims, Police Facts, Charges

Figure 1

8.2. TABLE LEVEL AUDITING

Table level auditing is used sparingly because of performance implications, a table audit is implemented using table level triggers and all changes to the table are held in an associated audit table. Also by combining the session logging which indicates any UPDATE, INSERT or DELETE that has been performed when and by whom and the associated incremental

system backup it is possible to review any historic delete or change without the overhead of retaining the whole deleted item in both places.

8.3. SESSION LOGGING

Session logging records all actions performed by users within the system such as OPEN for business transactions and INSERT, SAVE DELETE for data (and even READ for key data items). The level of session logging retained by the system is configurable by the system administrator. The table below shows a small extract from the session log table from a development database session, the columns, which show a matter number, indicate which matter was being accessed at the time and by subsequent business transactions.

<u>loginid</u>	<u>logtime</u>	<u>logtype</u>	<u>programname</u>	<u>logtext</u>
ian	16/10/2003 13:43:01.030	LOGIN	CASES	
ian	16/10/2003 13:43:01.153	OPEN	MatterSrchF	
ian	16/10/2003 13:46:28.873	OPEN	FtrkMnuCodeMntF	
ian	16/10/2003 13:47:07.640	OPEN	FtrkCodeMnuMntF	
ian	16/10/2003 13:47:09.827	CLOSE	FtrkCodeMnuMntF	
ian	16/10/2003 13:51:19.857	CLOSE	FtrkMnuCodeMntF	
ian	16/10/2003 13:51:21.043	CLOSE	MatterSrchF	
ian	16/10/2003 13:51:22.933	OPEN	MatterSrchF	
ian	16/10/2003 13:51:27.967	OPEN	MatterMntF	
ian	16/10/2003 13:51:29.717	MATTER	MatterMntF	2010570
ian	16/10/2003 13:51:58.733	OPEN	MatSubjMntF	
ian	16/10/2003 13:52:02.247	OPEN	PersonMntF	
ian	16/10/2003 13:52:26.060	CLOSE	PersonMntF	
ian	16/10/2003 13:52:27.513	CLOSE	MatSubjMntF	
ian	16/10/2003 14:00:21.280	OPEN	MatOutTaskMntF	
ian	16/10/2003 14:00:29.593	OPEN	MatListMntF	
ian	16/10/2003 14:00:36.950	CLOSE	MatListMntF	
ian	16/10/2003 14:00:39.217	OPEN	MatOutTaskMntF_1	
ian	16/10/2003 14:02:19.030	CLOSE	MatOutTaskMntF_1	
ian	16/10/2003 14:02:19.687	CLOSE	MatterMntF	
ian	16/10/2003 14:02:31.653	OPEN	MatterMntF	
ian	16/10/2003 14:02:32.637	MATTER	MatterMntF	2010550
ian	16/10/2003 14:02:40.297	OPEN	MatOutTaskMntF	
ian	16/10/2003 14:02:42.590	CLOSE	MatOutTaskMntF	
ian	16/10/2003 14:02:43.467	OPEN	MatListMntF	
ian	16/10/2003 14:02:57.843	OPEN	MatMapLinkEntF	
ian	16/10/2003 14:03:00.013	CLOSE	MatMapLinkEntF	
ian	16/10/2003 14:03:05.200	CLOSE	MatListMntF	
ian	16/10/2003 14:03:16.280	OPEN	MatOutTaskMntF	
ian	16/10/2003 14:04:30.060	SAVED	MatOutTaskMntF	

9. PRACTICES

CASES has the concept of a “Practice”, matters are never assigned directly to people they are always attached to a practice, a practice resides at an organisational location and is assigned to an authorised system user. This allows for circumstances where people leave the organisation, take leave or are off sick, rather than their matters being unattended their practice can be covered by another staff member in their absence.

9.1. PRACTICE MAINTENANCE

The administration of the organisation structure is managed by the system administrators, or senior users, the system security uses the management hierarchy to control the security access to matters.

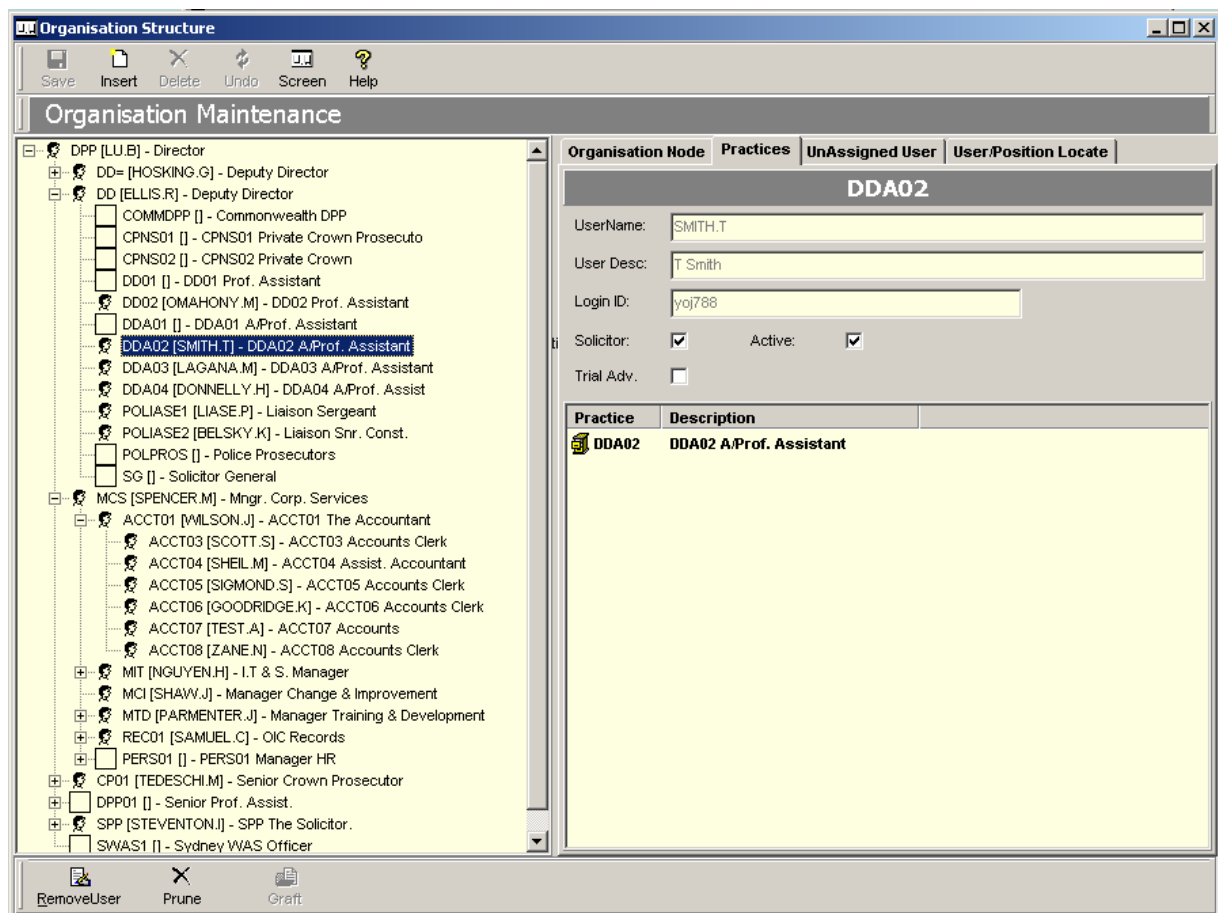


Figure 1

Moving a practice is a simple matter of dragging the filing cabinet icon onto the user tree on the left hand side.

The illustration below shows the situation where a manager is covering a practice for which the organizational position is currently vacant. The manager in position S201 is running both practices until the position is filled obviously this could also be delegated to another.

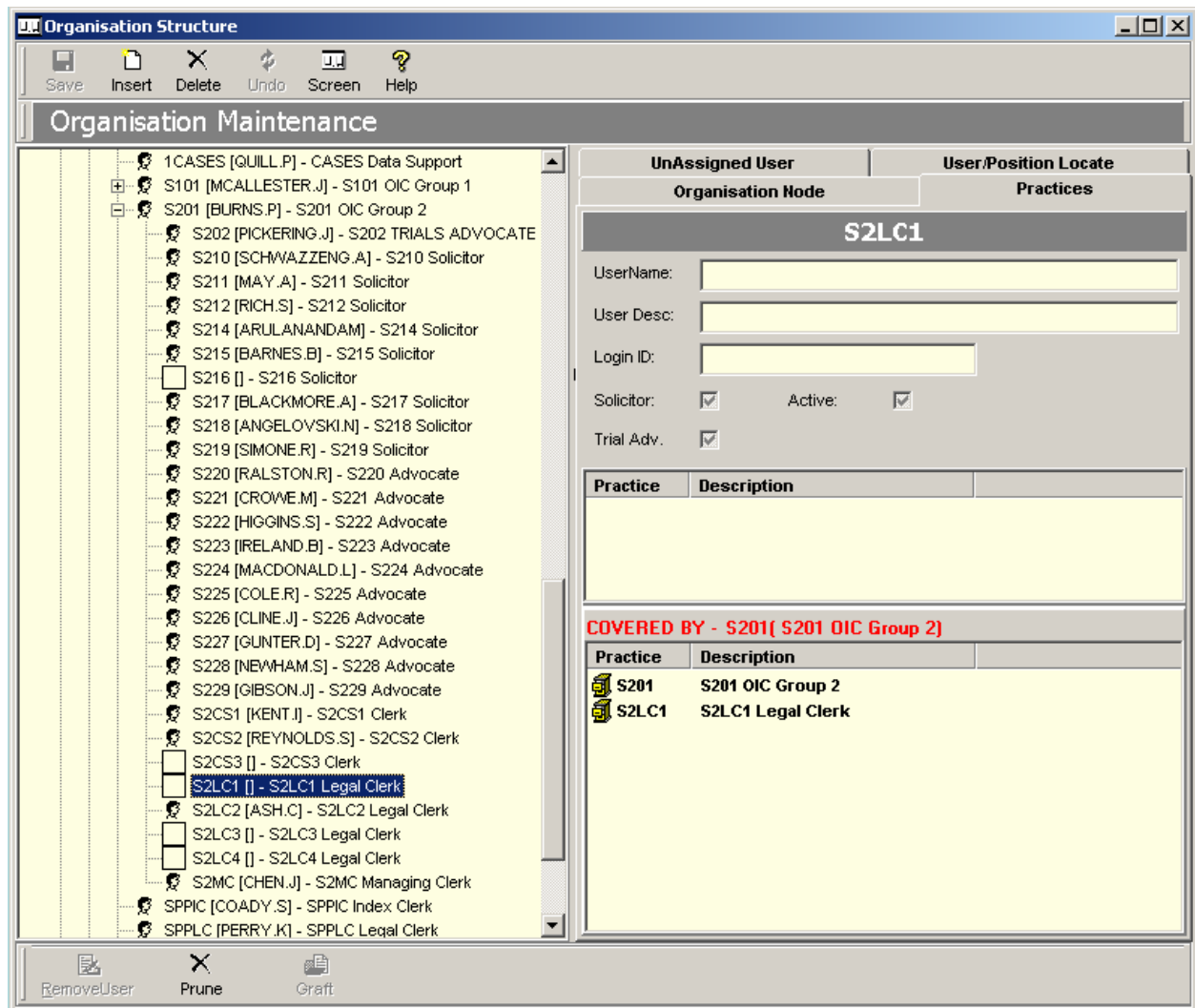


Figure 2

9.2. ASSIGNING A MATTER TO ANOTHER PRACTICE

This is a simple matter for the user who has carriage of the matter, or managers with update clearance the new practice is selected from a drop down list available from the matter file cover.

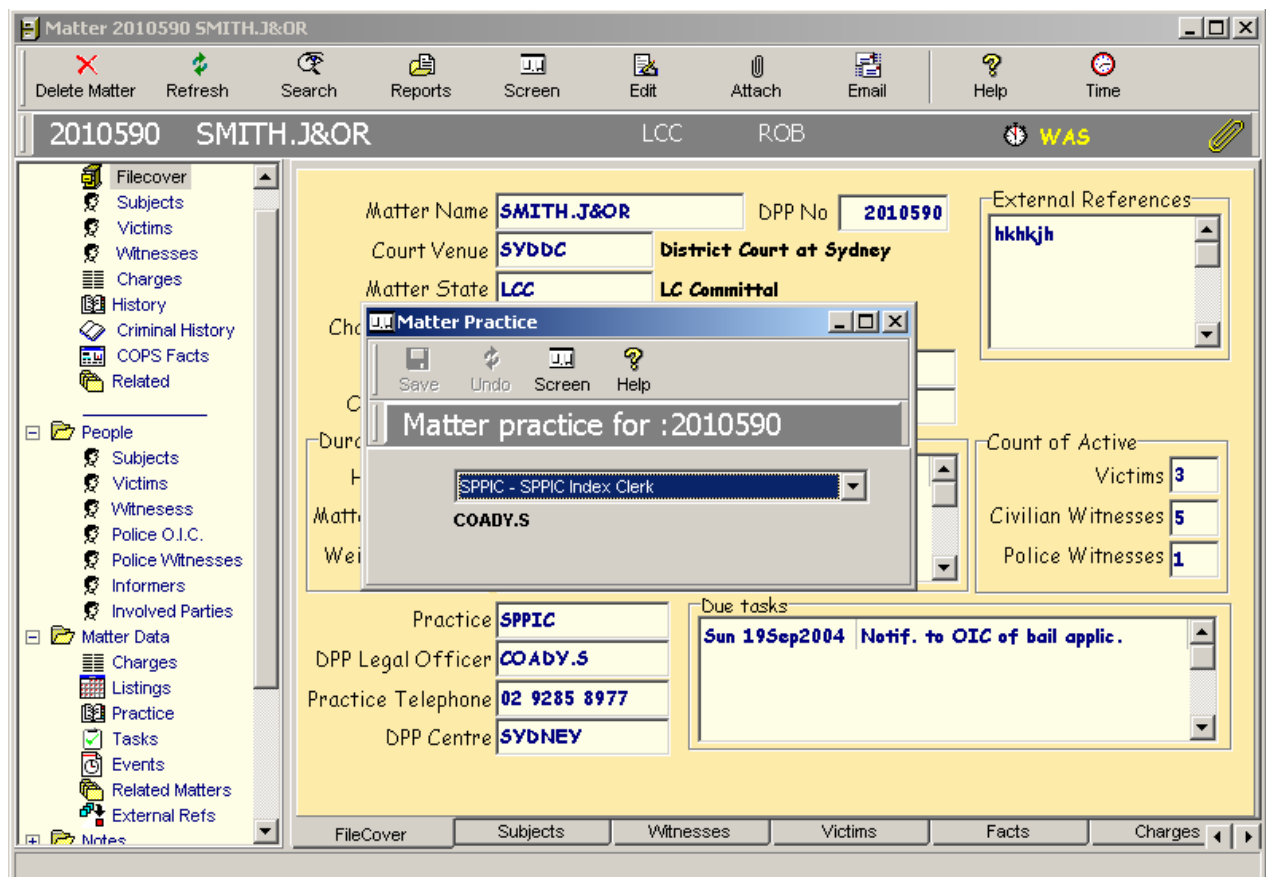


Figure 3

The practice transfer shows up in the matter history as a new ALLOCATION as shown in **Figure 4** above, the matter would then appear on the matter carriage workforce of the user assigned to the new practice.

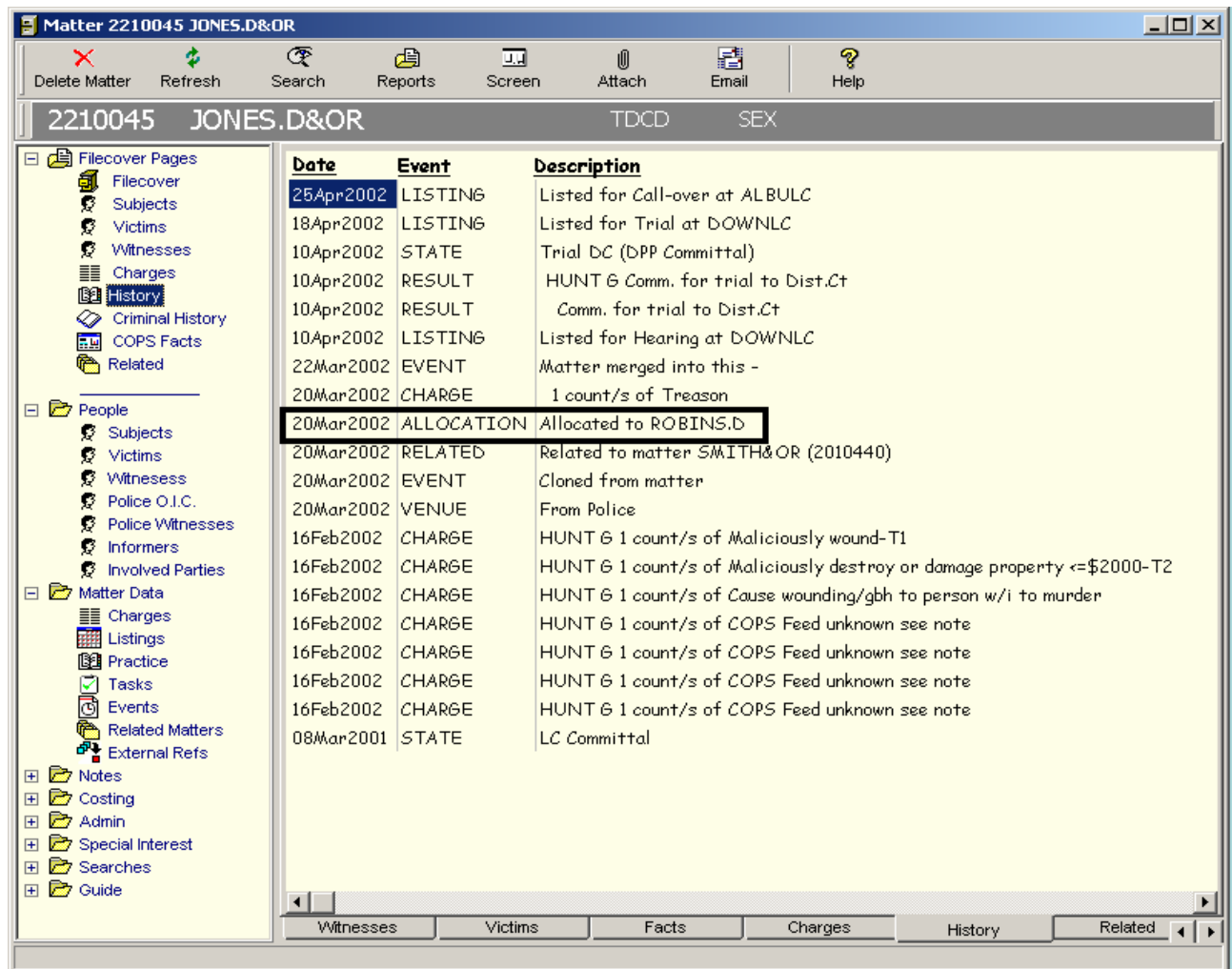
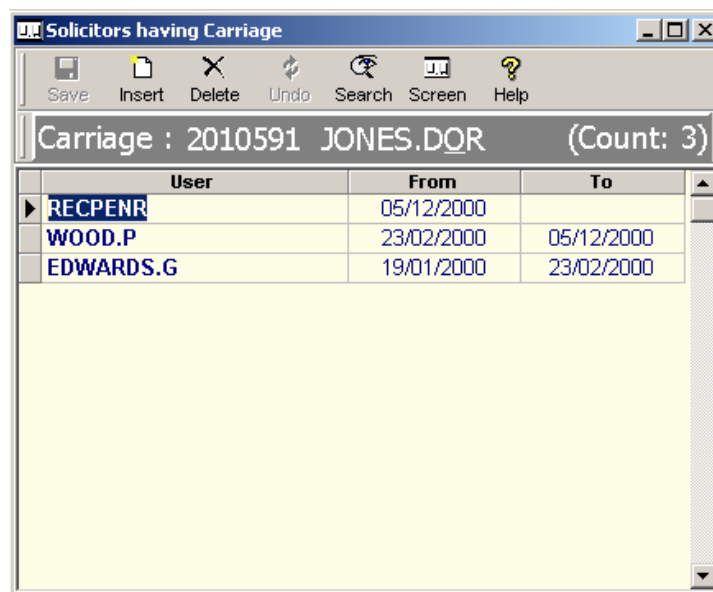


Figure 4

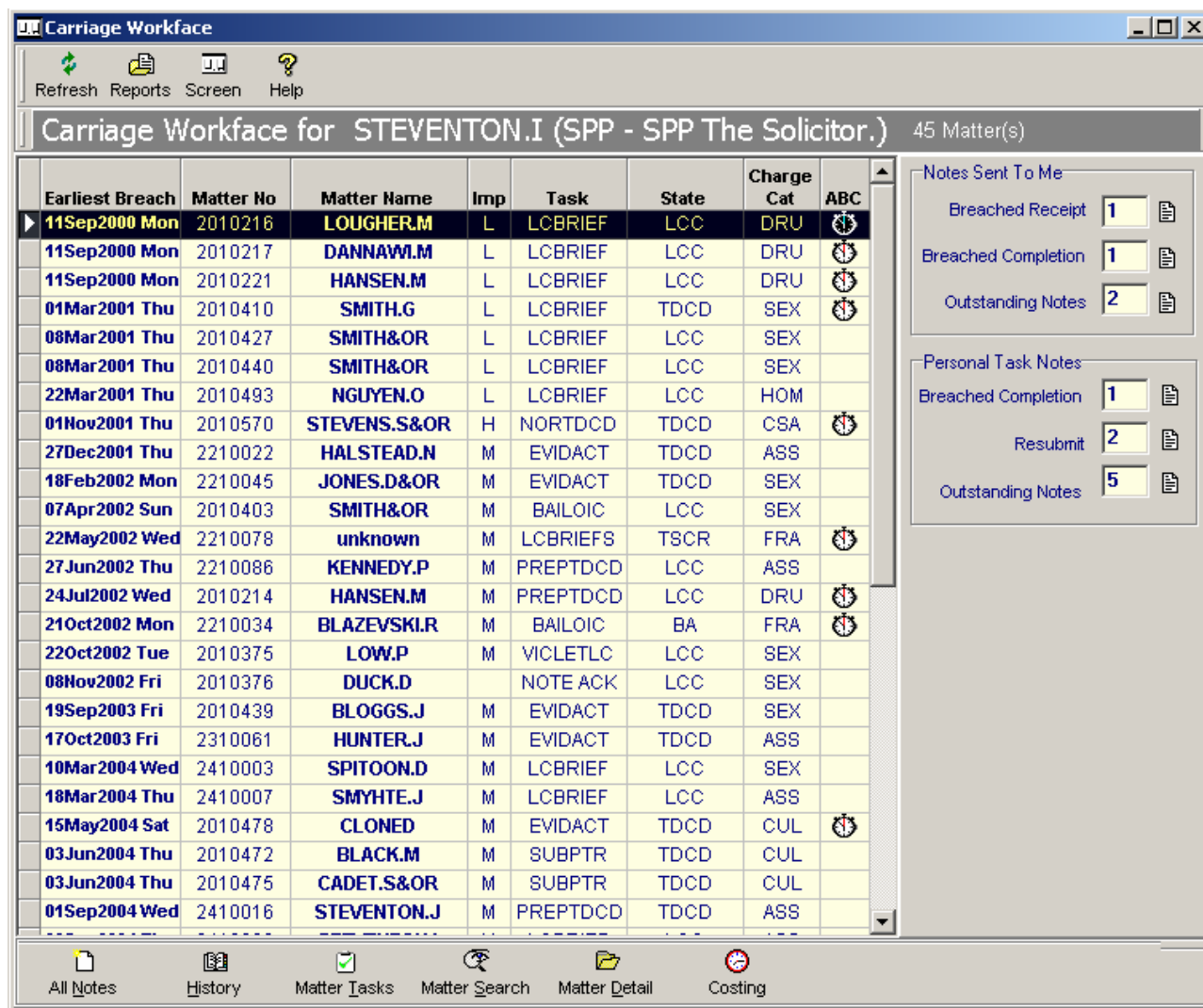
Note that a matter can never, slip between the cracks by being allocated to an inactive or vacant practice.



The history of carriage can also be reviewed in the above popup available from the file cover screen.

9.3. MATTER CARRIAGE WORKFACE

Users who are assigned a practice or practices are deemed to have “Carriage” of the practice and all of its associated matters. The screen shown below is used in order to allow the user to quickly review and work with the matters in their practice(s). The user can quickly review and rectify any breaching activities within their practice, review the history of a matter, complete tasks, send and respond to file notes, and even manage whether matters are costed and record time against them for costing purposes. The column headed ABC stands for activity based costing; a stopwatch icon indicated that time is to be recorded for costing purposes.



Carriage Workface for STEVENTON.I (SPP - SPP The Solicitor.) 45 Matter(s)

Earliest Breach	Matter No	Matter Name	Imp	Task	State	Charge Cat	ABC
11Sep2000 Mon	2010216	LOUGHER.M	L	LCBRIEF	LCC	DRU	🕒
11Sep2000 Mon	2010217	DANNAWL.M	L	LCBRIEF	LCC	DRU	🕒
11Sep2000 Mon	2010221	HANSEN.M	L	LCBRIEF	LCC	DRU	🕒
01Mar2001 Thu	2010410	SMITH.G	L	LCBRIEF	TDCC	SEX	🕒
08Mar2001 Thu	2010427	SMITH&OR	L	LCBRIEF	LCC	SEX	
08Mar2001 Thu	2010440	SMITH&OR	L	LCBRIEF	LCC	SEX	
22Mar2001 Thu	2010493	NGUYEN.O	L	LCBRIEF	LCC	HOM	
01Nov2001 Thu	2010570	STEVENS.S&OR	H	NORTDCD	TDCC	CSA	🕒
27Dec2001 Thu	2210022	HALSTEAD.N	M	EVIDACT	TDCC	ASS	
18Feb2002 Mon	2210045	JONES.D&OR	M	EVIDACT	TDCC	SEX	
07Apr2002 Sun	2010403	SMITH&OR	M	BAILOIC	LCC	SEX	
22May2002 Wed	2210078	unknown	M	LCBRIEFS	TSCR	FRA	🕒
27Jun2002 Thu	2210086	KENNEDY.P	M	PREPTDCD	LCC	ASS	
24Jul2002 Wed	2010214	HANSEN.M	M	PREPTDCD	LCC	DRU	🕒
21Oct2002 Mon	2210034	BLAZEVSIL.R	M	BAILOIC	BA	FRA	🕒
22Oct2002 Tue	2010375	LOW.P	M	VICETLC	LCC	SEX	
08Nov2002 Fri	2010376	DUCK.D		NOTE ACK	LCC	SEX	
19Sep2003 Fri	2010439	BLOGGS.J	M	EVIDACT	TDCC	SEX	
17Oct2003 Fri	2310061	HUNTER.J	M	EVIDACT	TDCC	ASS	
10Mar2004 Wed	2410003	SPITON.D	M	LCBRIEF	LCC	SEX	
18Mar2004 Thu	2410007	SMYHTE.J	M	LCBRIEF	LCC	ASS	
15May2004 Sat	2010478	CLONED	M	EVIDACT	TDCC	CUL	🕒
03Jun2004 Thu	2010472	BLACK.M	M	SUBPTR	TDCC	CUL	
03Jun2004 Thu	2010475	CADET.S&OR	M	SUBPTR	TDCC	CUL	
01Sep2004 Wed	2410016	STEVENTON.J	M	PREPTDCD	TDCC	ASS	

Notes Sent To Me

- Breached Receipt: 1
- Breached Completion: 1
- Outstanding Notes: 2

Personal Task Notes

- Breached Completion: 1
- Resubmit: 2
- Outstanding Notes: 5

Navigation: All Notes | History | Matter Tasks | Matter Search | Matter Detail | Costing

Figure 5

9.4. MANAGEMENT PRACTICE REVIEW

The practice review screen and reports allow users and managers to drill down and review the allocation and status of weighted and sized caseload throughout the organisation.

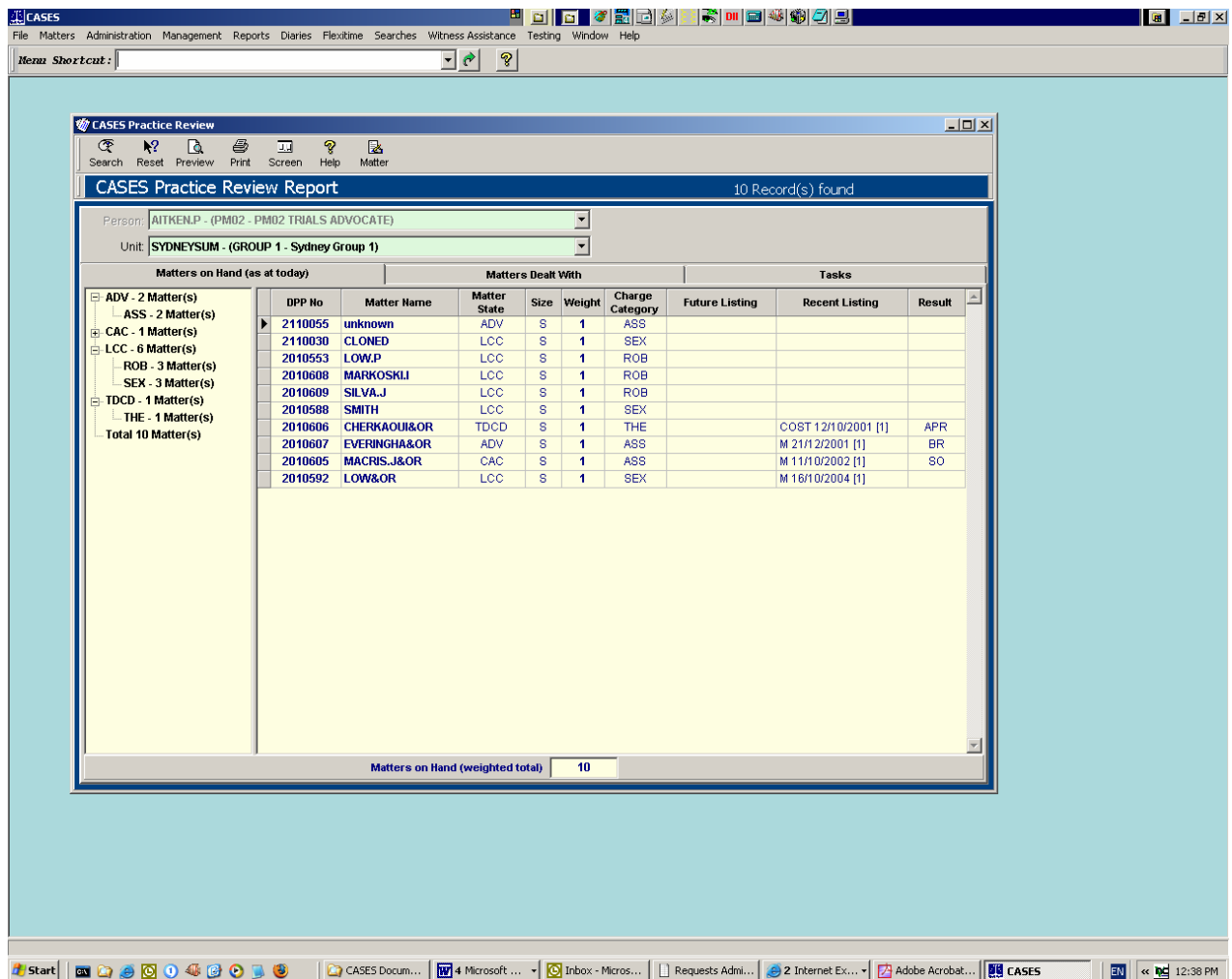


Figure 6

Data at any point can be captured as a Word document and printed, saved in the EDMS or emailed as required.

The screen below allows a supervisor to review the outstanding or breached tasks due in the practices of their reporting group. Note that the review can be restricted by importance, specific or wildcard task codes or date range above and beyond practice.

Supervisor Practice Review (Count: 15)

Practice: **SPP - SPP THE SOLICITOR.**

Task Code: *

Date Range - From: **01/01/1980** To: **04/03/2005**

Importance:
☒ High
☐ All ☐ Medium ☐ Low

Due	Task	Imp.	File #	Matter	User
30/01/2002	Settling of indictment by CP	H	2210022	HALSTEAD.N	STEVENTON.I
30/01/2002	Filing of Notice Readiness DCD	H	2210022	HALSTEAD.N	STEVENTON.I
08/05/2002	Settling of indictment by CP	H	2210045	JONES.D&OR	STEVENTON.I
08/05/2002	Settling of indictment by CP	H	2010410	SMITH.G	STEVENTON.I
08/05/2002	Filing of Notice Readiness DCD	H	2210045	JONES.D&OR	STEVENTON.I
18/10/2002	Settling of indictment by CP	H	2010410	SMITH.G	STEVENTON.I
18/10/2002	Filing of Notice Readiness DCD	H	2010410	SMITH.G	STEVENTON.I
25/10/2002	Screening of matter(LCC)	H	2010375	LOW.P	STEVENTON.I
25/10/2002	Screening of matter(LCC)	H	2010403	SMITH&OR	STEVENTON.I
25/12/2003	Settling of indictment by CP	H	2010439	BLOGGS.J	STEVENTON.I

Figure 7

10. WORKLOAD MANAGEMENT

CASES includes a suite of management review screens designed to give an overview of the workload across the organisation, allowing managers to balance and re-distribute the caseload.

Some screens from the workload management area of CASES are shown below. These are just a sample of the online screens and transactions available in this area.

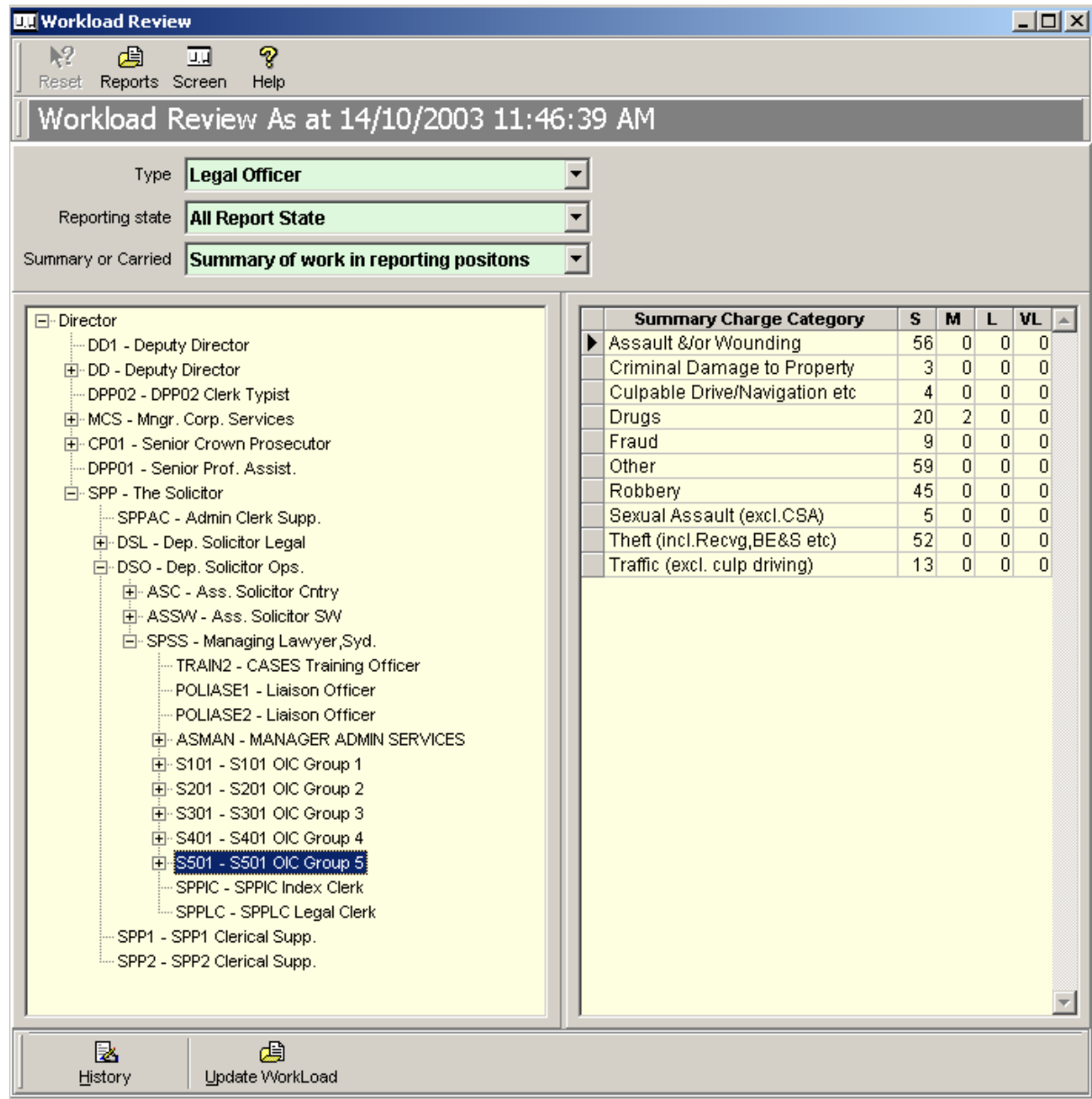


Figure 1

Each of these screens allows a supervisor to drill down into organisational areas allowing a top down review of the workloads across the operational groups.

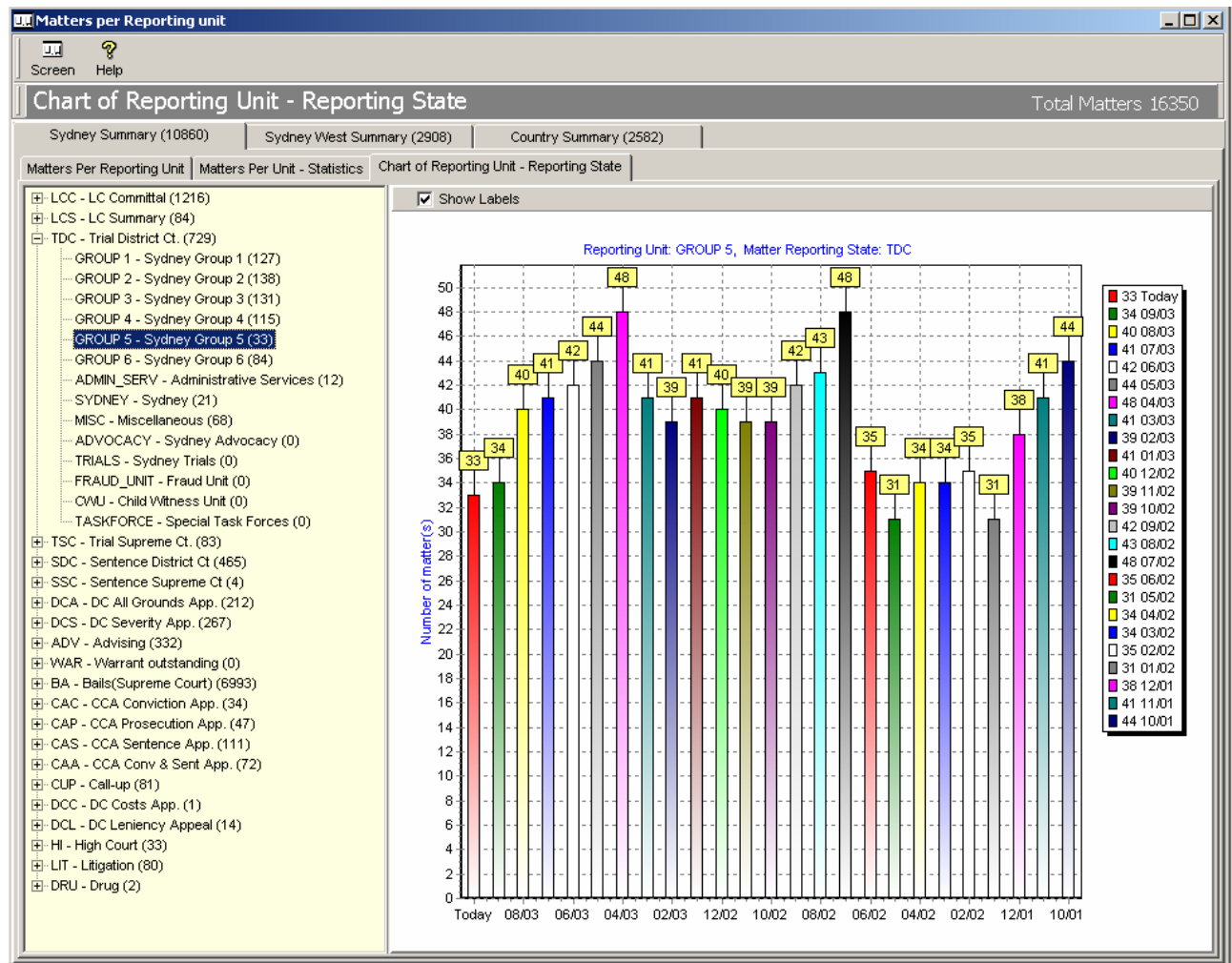


Figure 2

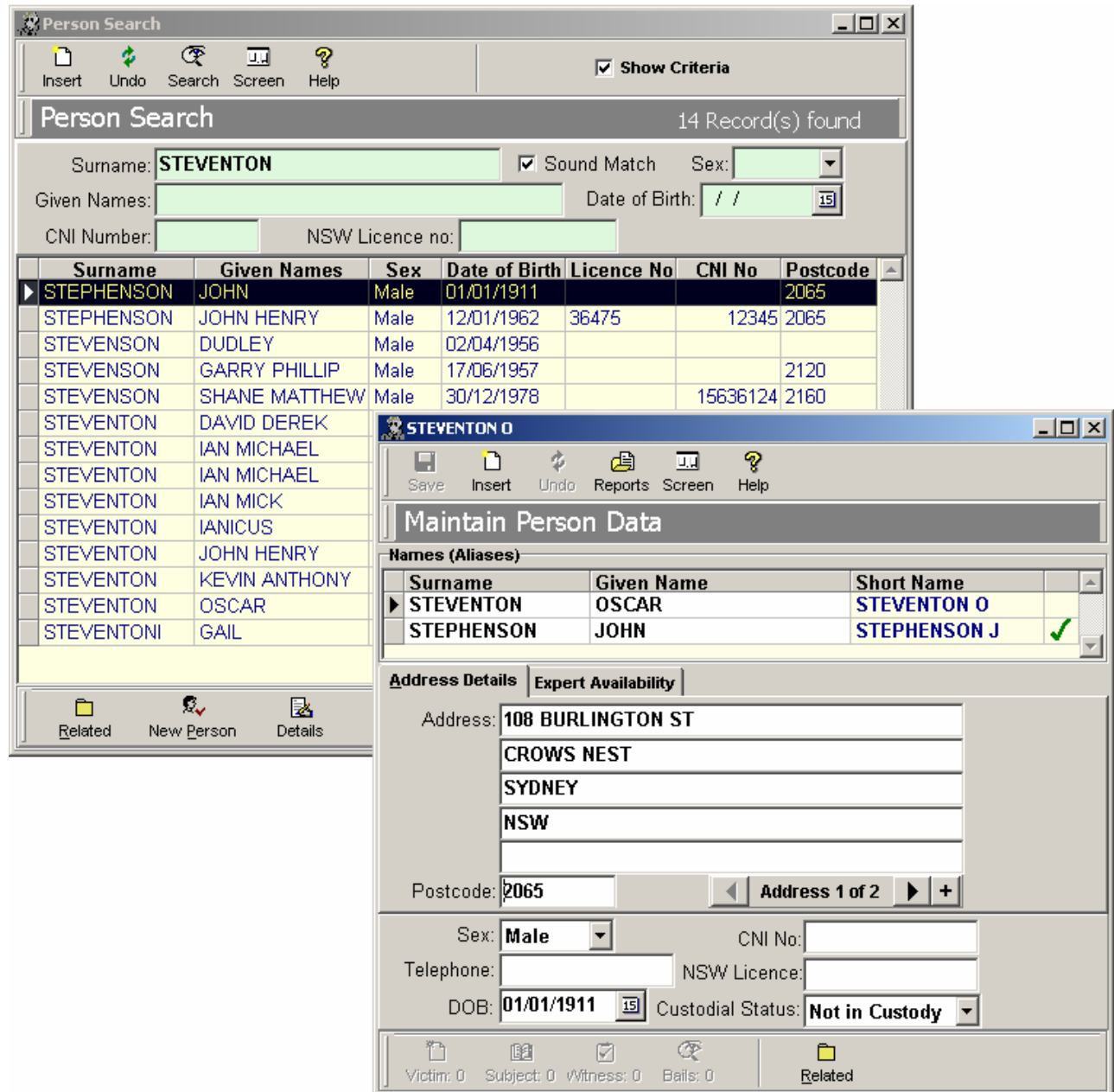
Screens use both graphical and numeric presentation to allow supervisors to review workload.

Figure 3

11. PARTY DATABASE

11.1. PERSONS & ORGANISATIONS (PARTIES)

All persons or organisations (parties) known to the system are recorded in a self-contained repository. This party data is then associated with a matter by virtue of the role the party performs in the matter such as subject, victim, and witness.



Person Search 14 Record(s) found

Surname: **STEVENTON** ☒ Sound Match Sex:

Given Names: Date of Birth:

CNI Number: NSW Licence no:

Surname	Given Names	Sex	Date of Birth	Licence No	CNI No	Postcode
▶ STEPHENSON	JOHN	Male	01/01/1911			2065
STEPHENSON	JOHN HENRY	Male	12/01/1962	36475	12345	2065
STEVENSON	DUDLEY	Male	02/04/1956			
STEVENSON	GARRY PHILLIP	Male	17/06/1957			2120
STEVENSON	SHANE MATTHEW	Male	30/12/1978		15636124	2160
STEVENTON	DAVID DEREK					
STEVENTON	IAN MICHAEL					
STEVENTON	IAN MICHAEL					
STEVENTON	IAN MICK					
STEVENTON	IANICUS					
STEVENTON	JOHN HENRY					
STEVENTON	KEVIN ANTHONY					
STEVENTON	OSCAR					
STEVENTONI	GAIL					

STEVENTON O

Save Insert Undo Reports Screen Help

Maintain Person Data

Names (Aliases)

Surname	Given Name	Short Name
▶ STEVENTON	OSCAR	STEVENTON O
STEPHENSON	JOHN	STEPHENSON J

Address Details **Expert Availability**

Address: 108 BURLINGTON ST
 CROWS NEST
 SYDNEY
 NSW

Postcode: 2065

Sex: Male CNI No:

Telephone: NSW Licence:

DOB: 01/01/1911 Custodial Status: Not in Custody

Victim: 0 Subject: 0 Witness: 0 Bails: 0

Figure 1

The illustration above shows a simple search by surname including “sounds like” and also illustrates the person details administration popup showing aliases and indicating which is the current “best” name for the person. This person also has two addresses on record as indicated beneath the address in the above **Figure 1**.

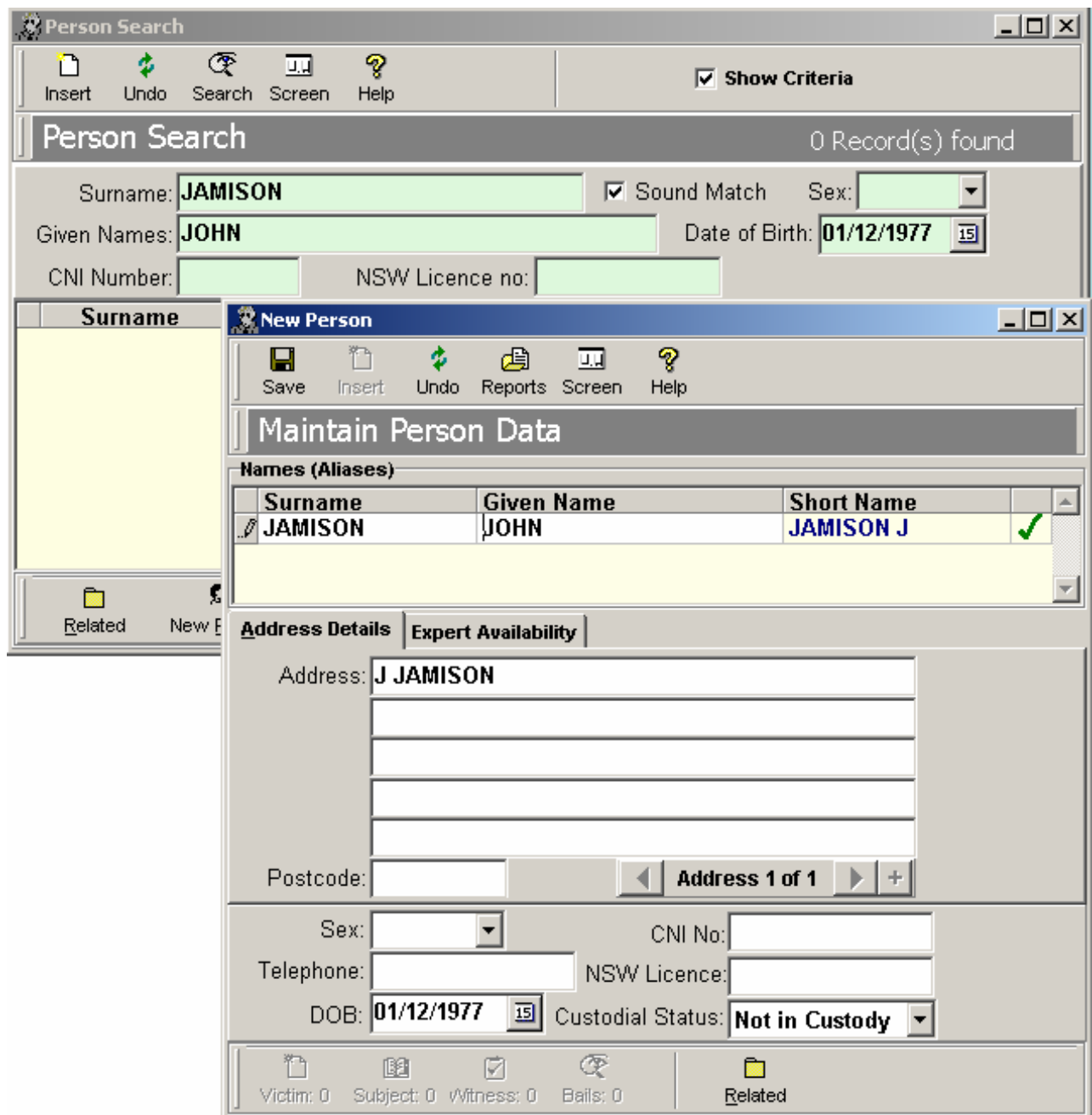
No new person can be created in the system without first performing a basic search for the person **Figure 2**. If the search is unsuccessful then the details used in the search automatically become part of the person entry **Figure 3** (avoiding re-typing). This prevents unnecessary re-entering of existing persons and more importantly allows the system to display all matters that a person is associated with no matter what role the perform.

The screenshot shows the 'Person Search' window. At the top, there is a toolbar with icons for Insert, Undo, Search, Screen, and Help. A 'Show Criteria' checkbox is checked. The search results area shows '0 Record(s) found'. The search criteria are: Surname: JAMISON, Given Names: JOHN, Date of Birth: 01/12/1977, Sex: (dropdown), CNI Number: (empty), and NSW Licence no: (empty). A table with columns Surname, Given Names, Sex, Date of Birth, Licence No, CNI No, and Postcode is visible. A 'Confirm' dialog box is overlaid on the table, asking 'No person meets your criteria. Would you like to add a new Person?' with 'Yes' and 'No' buttons.

Surname	Given Names	Sex	Date of Birth	Licence No	CNI No	Postcode
---------	-------------	-----	---------------	------------	--------	----------

Figure 2

Figure 3 illustrates the state the person data comes up in when the “Yes” button is clicked in the previous dialog much of the data has been pre-populated.



The screenshot shows two overlapping windows from the CASES software. The 'Person Search' window is in the background, and the 'New Person' window is in the foreground.

Person Search Window:

- Toolbar: Insert, Undo, Search, Screen, Help.
- Header: Person Search, 0 Record(s) found.
- Search Criteria:
 - Surname: JAMISON
 - Given Names: JOHN
 - CNI Number: (empty)
 - NSW Licence no: (empty)
 - Sound Match: ☒
 - Sex: (dropdown menu)
 - Date of Birth: 01/12/1977

New Person Window:

- Toolbar: Save, Insert, Undo, Reports, Screen, Help.
- Header: Maintain Person Data.
- Names (Aliases) Table:

Surname	Given Name	Short Name	
JAMISON	JOHN	JAMISON J	<input checked="" type="checkbox"/>
- Address Details Tab:
 - Address: J JAMISON
 - Postcode: (empty)
 - Address 1 of 1
- Expert Availability Tab:
 - Sex: (dropdown menu)
 - CNI No: (empty)
 - Telephone: (empty)
 - NSW Licence: (empty)
 - DOB: 01/12/1977
 - Custodial Status: Not in Custody
- Footer: Victim: 0, Subject: 0, Witness: 0, Bails: 0, Related.

Figure 3

CASES can also be configured to support a party database containing persons only, organisations only or a mixture of the above; this is achieved with a single configuration parameter set by the system administrator, attributes and search criteria change accordingly. **Figure 2** below shows the search screen where the party type has been set to permit both, selection occurs in the drop down list at the top of the screen.

The screenshot shows the 'Organisation Search' window. At the top, there is a toolbar with icons for Insert, Undo, Search, Screen, and Help. A 'Show Criteria' checkbox is checked. Below the toolbar, a search bar contains the text 'ORGANISATION'. To the right of the search bar, it says '1 Record(s) found'. Below the search bar, there are input fields for 'Organisation Name' (containing 'ITEC*'), 'Organisation Type' (empty), 'ABN' (empty), and 'Registered' (containing '/ /'). A 'Sound Match' checkbox is also present. Below these fields is a table with the following data:

Organisation Name	Type	Registered	ABN	Postcode
ITEC SOFTWARE	LTD--Limited	02/12/1994	61868326	2062

Below the table is a large yellow rectangular area. At the bottom of the window, there is a toolbar with icons for 'Related', 'New Organisation', and 'Details'.

Figure 2

12. SEARCHING

There are a number of powerful search screens in the application including matter, person and document searches as described below.

12.1. MATTER SEARCH

The matter search allows a user to enter a number of key matter related attributes and find all related matters. In the illustration shown in **Figure 1** the user has requested all matters where a related subject has a surname, which sounds like “STEVENTON”. The obvious problem here being that more than one subject matches the criteria. Rather than show a list of matters, the system show a list of people who match, by choosing any person or set of persons from the list the matters shown on the other search result tab are those where the selected person(s) are the subject or one of the subjects. If the person was attached under an alias the Surname field would show something like “SMITH aka STEVENTON”.

The screenshot shows the 'Matter Search' window. The title bar is 'Matter Search'. The menu bar includes Search, Reset, Preview, Print, Screen, Help, and Select All. A 'Show Criteria' checkbox is checked. The search criteria section includes fields for DPP Number, External Ref, Type, Surname (STEVENTON), Sound Match (checked), Given Name, CNI Number, Related to Matter as (Subject), Matter Name, Practice, Charge Cat, Venue, DPP Centre, and State. Below the criteria, there are tabs for 'Matter' and 'Person'. The 'Person' tab is selected, showing a table of 4 persons found.

Persons 4 Person(s) Found								
	Surname	Given Name	Rel	Sex	Date of Birth	Licence No	CNI No	PostCode
▶	STEVENSON	GARRY PHILLIP	S	M	17/06/1957			2120
	STEVENTON	DAVID DEREK	S	M	12/01/1962	36475	12345	2065
	STEVENTON	IAN MICHAEL	S	M	12/01/1962	28740808	23848547	2062
	STEVENTON	JOHN HENRY	S	M	12/09/1987	673874	2674	2065

Figure 1

In **Figure 2** below the user has selected one of the people from the list and moved to the matter tab to review the matters in which this person is a subject.

Matter Search 13 Matter(s) Found

☒ **Show Criteria**

DPP Number:
External Ref:
Type:

Surname: **STEVENTON**
☒ Sound Match
Given Name:

CNI Number:
Related to Matter as: **Subject**

Matter Name:
Practice:

Charge Cat:
Venue:

DPP Centre:
State:

Matter **Person**

Matters 13 Matter(s) Found

DPP No	Name	Rel	Type	Venue	Centre	Charge	Practice	State
2010564	CLONED	S	PR	BALMLC	SYDNEY	ASS	CONSULT	LCC
2010565	CLONED	S	PR	SYDDC	SYDNEY	ASS	DEVTST	TDCD
2010566	CLONED	S	PR	SYDDC	SYDNEY	ASS	DEVTST	TDCD
2010570	SNOWDEN.S&OR	S	PR	NSWCC	SYDNEY	ASS	SPP	TDCD
9110057	STEVENTON.I	S	PR	BALMLC	SYDNEY	SEX	DEEN	LCC
9110059	STEVENTON.I	S	PR	BALMLC	SYDNEY	SEX	DEEN	LCC
9110078	STEVENTON.I	S	PR	SYDDC	SYDNEY	ASS	DEVTST	TDCD
9110085	STEVENTON.I	S	PR	BALMLC	SYDNEY	SEX	DEVTST	TDCD
9110086	STEVENTON.I	S	PR	BALMLC	SYDNEY	SEX	DEVTST	TDCD
9110089	STEVENTON.I	S	PR	BALMLC	SYDNEY	ASS	CONSULT	LCC
9110092	STEVENTON.I	S	PR	BALMLC	SYDNEY	ASS	DEVTST	LCC
9110056	STEVENTON.I&	S	PR	ALBULC	SYDNEY	SEX	DEEN	TDCD
9110088	STEVENTON.I&	S	PR	BALMLC	SYDNEY	SEX	DEVTST	TDCD

Figure 2

12.2. MATTER TEXT SEARCH

It is also possible to search for all matters that contain a text string in the various textual fields of the matter record **Figure 3** shows a search for the word “test” in the development database. All instances of the targeted word are highlighted in red in the target text.

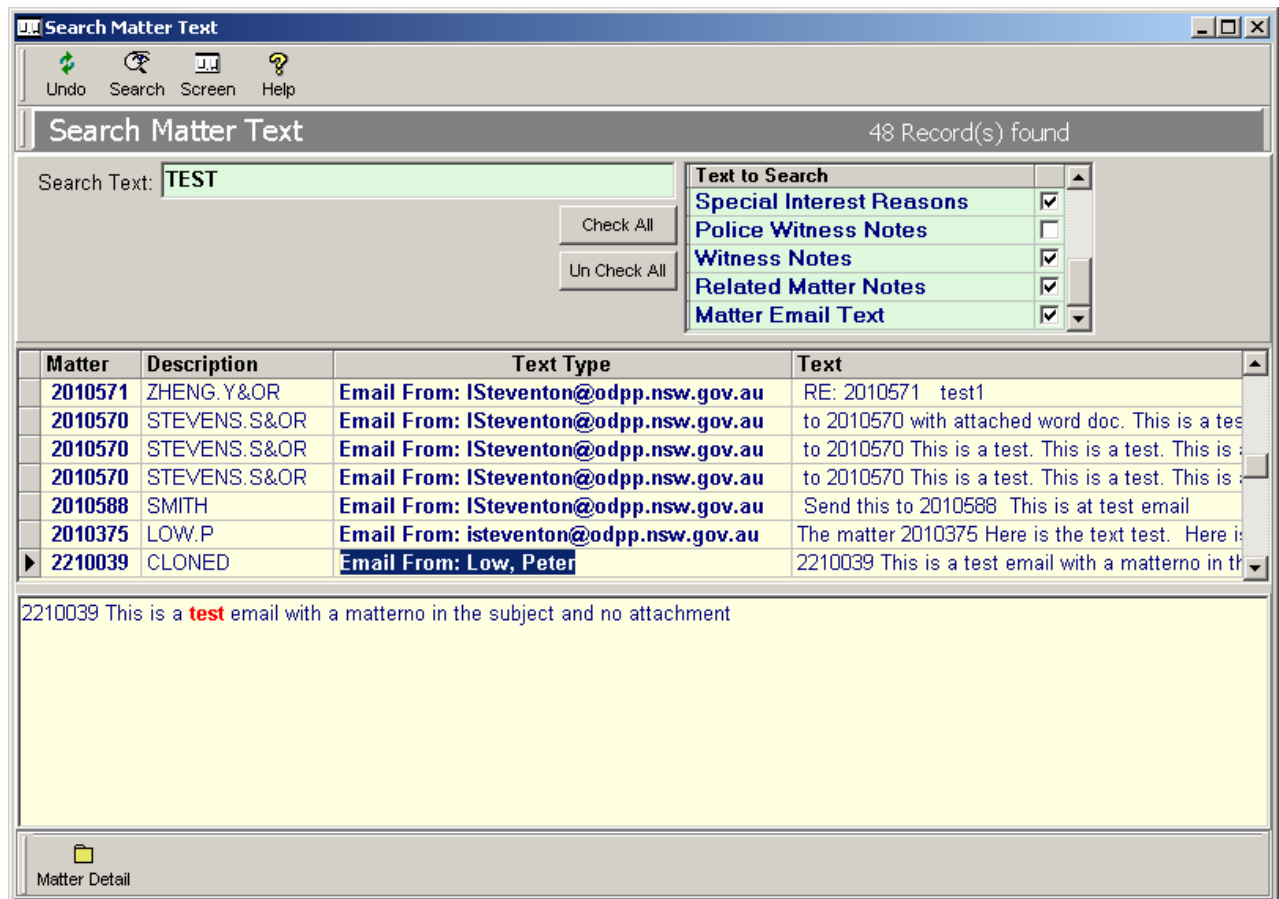


Figure 3

12.3. DOCUMENT SEARCH

The illustration below **Figure 5** show a simple document search using the integrated document management server, this search relates document to matter workflow data. A more detailed description of document searching and document management within CASES can be found in the document “CASES Document Management”.

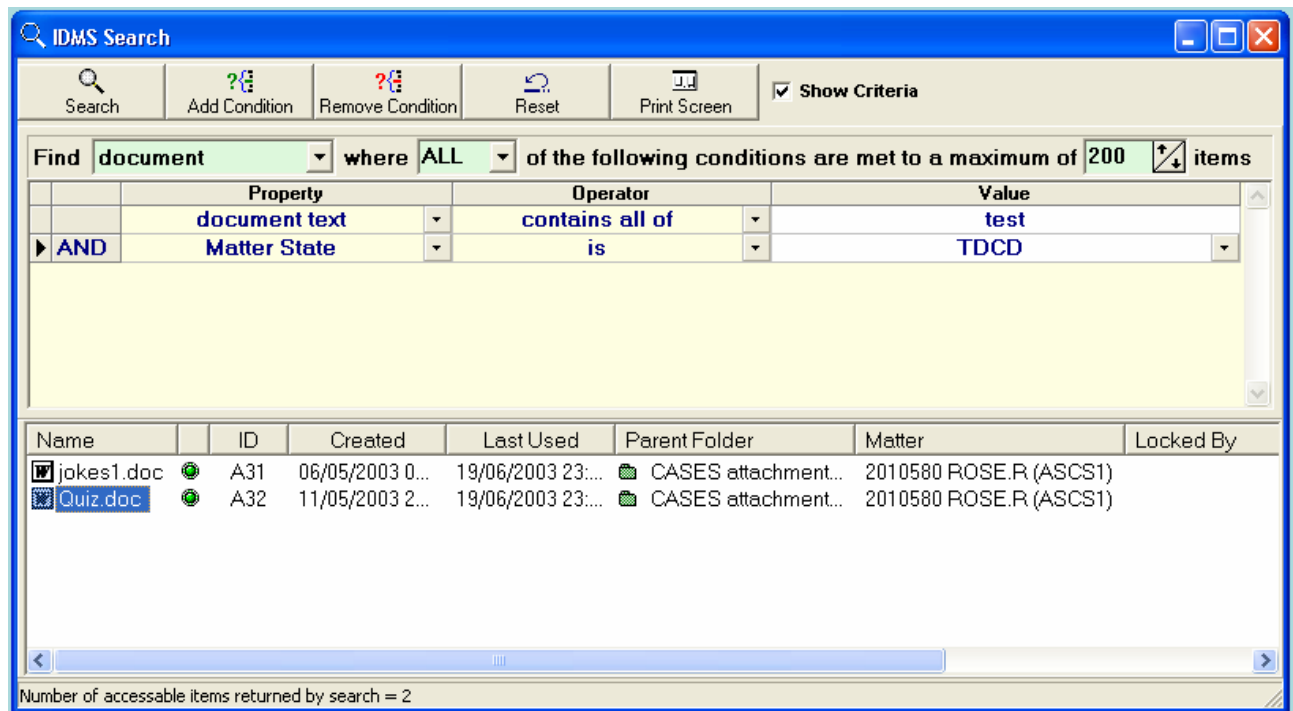
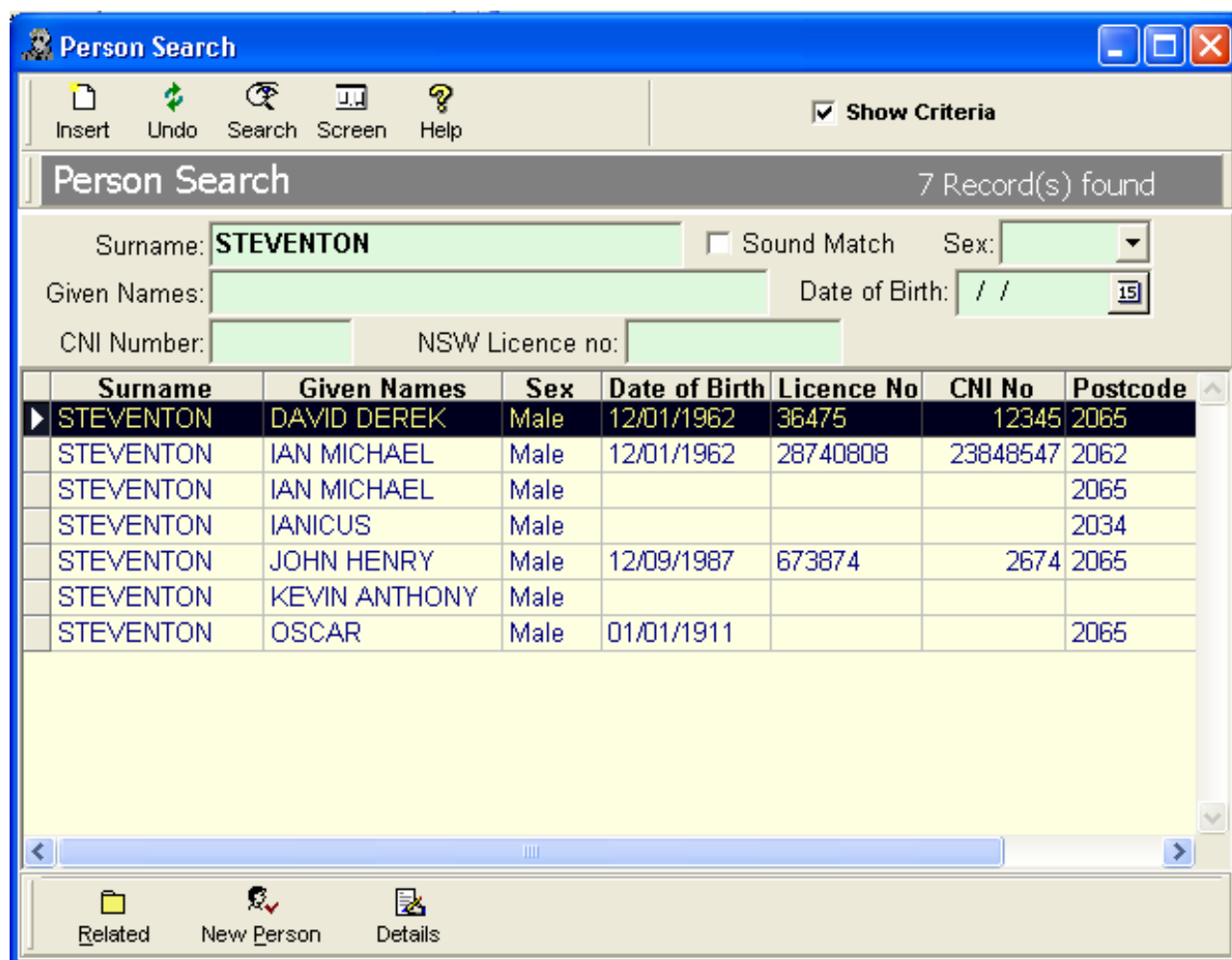


Figure 4

12.4. PERSON SEARCH

The person search allows a user to enter a number of key person related attributes and find all related people. In the illustration shown in **Figure 3** the user has requested all people with a surname of STEVENTON, **Figure 4** shows people where the surname sounds like “STEVENTON”.



Person Search 7 Record(s) found

Insert Undo Search Screen Help ☒ Show Criteria

Surname: **STEVENTON** ☐ Sound Match Sex: ▼
 Given Names: Date of Birth: / / 19
 CNI Number: NSW Licence no:

Surname	Given Names	Sex	Date of Birth	Licence No	CNI No	Postcode
▶ STEVENTON	DAVID DEREK	Male	12/01/1962	36475	12345	2065
STEVENTON	IAN MICHAEL	Male	12/01/1962	28740808	23848547	2062
STEVENTON	IAN MICHAEL	Male				2065
STEVENTON	IANICUS	Male				2034
STEVENTON	JOHN HENRY	Male	12/09/1987	673874	2674	2065
STEVENTON	KEVIN ANTHONY	Male				
STEVENTON	OSCAR	Male	01/01/1911			2065

Related New Person Details

Figure 5

In **Figure 4** below the user may choose any person from the list and show the matters where this person is involved and the nature of their involvement. The user may then proceed directly to the filecover for any matter in this list by a mouse click.

Person Search 14 Record(s) found

Insert Undo Search Screen Help ☒ Show Criteria

Surname: **STEVENTON** ☒ Sound Match Sex:

Given Names: Date of Birth: / /

CNI Number: NSW Licence no:

Surname	Given Names	Sex	Date of Birth	Licence No	CNI No	Postcode
STEPHENSON	JOHN	Male	01/01/1911			2062
STEPHENSON	JOHN HENRY	Male	12/01/1962	36475	12345	2065
STEVENSON	DUDLEY					
STEVENSON	GARRY PHILLIP					
STEVENSON	SHANE MATTHEW					
STEVENTON	DAVID DEREK					
▶ STEVENTON	IAN MICHAEL					
STEVENTON	IAN MICHAEL					
STEVENTON	IAN MICK					
STEVENTON	IANICUS					
STEVENTON	JOHN HENRY					
STEVENTON	KEVIN ANTHONY					
STEVENTON	OSCAR					
STEVENTON	CALL					

Person related List

Screen Help

Related List for STEVENTON I

Related As	Matter	Matter #	State	Type
▶ VICTIM	SMYTH&OR	2010488	LCC	PR
VICTIM	CLONED&OR	2010490	TDCD	PR
VICTIM	CLONED	2010494	LCC	PR
WITNESS	STEVENS.S&OR	2010570	TDCD	PR
WITNESS	CLONED&OR	2010585	TDCD	PR
WITNESS	CLONED	2110028	TDCD	PR
WITNESS	FREDBLOGGS	2110031	TDCD	PR
WITNESS	FREDHGFH	2110033	TDCD	PR
WITNESS	SNOWEDON	2110034	TDCD	PR
WITNESS	HALSTEAD.N	2210022	TDCD	PR
WITNESS	LENNARD.C	2210153	TSCD	PR
SUBJECT	STEVENTON.I	2310059	LCC	PR
VICTIM	CAMPBELL.R	9110009	TDCD	PR
WITNESS	CAMPBELL.R	9110009	TDCD	PR

Related New Person Details

Figure 4

12.5. LEGISLATION SEARCH

CASES contains a searchable database of legislation which in the case of legal data is populated from the Judicial Commission using an agent to keep the data synchronized. The search shown below shows a user searching for all legislation containing the word JUNKET anywhere in the text, the search is not cases sensitive.

Charges

Undo Search Screen Help

Charge Search/Enquiry 17 Record(s) found

Law Part: Description: Act: Year: Section: ☒ Details

Law Part	Description	Section	Act	Year	JIS Ref.	From	To
21961	Act as representative of promoter of junket involving casino	13(1)	551	1995	21961	01/12/1996	31/08/2001
21962	Casino operator/employee promote junket involving casino	13(1)	551	1995	21962	06/09/1995	30/11/1996
21963	Take part in conduct etc of junket unless operator conducts	13A(a)	551	1995	21963	01/12/1996	31/08/2001
21964	Take part in conduct etc of junket except as employee	13A(b)	551	1995	21964	01/12/1996	31/08/2001
21976	Promoter not ensure that junket participants accompanied	18	551	1995	21976	06/09/1995	30/11/1996
21978	Fail to accompany participants in casino operated junket	18(2)	551	1995	21978	01/12/1996	31/08/2001
21979	Contravene provision of clause 19 - reports on junkets	19(5)	551	1995	21979	06/09/1995	31/08/2001
42214	Act as representative of promoter of junket	15(1)	659	2001	42214	01/09/2001	

Parliament Act: / **Casino Control Regulation 1995**

A casino operator must not act as a representative of a promoter of a junket involving the casino

Figure 7

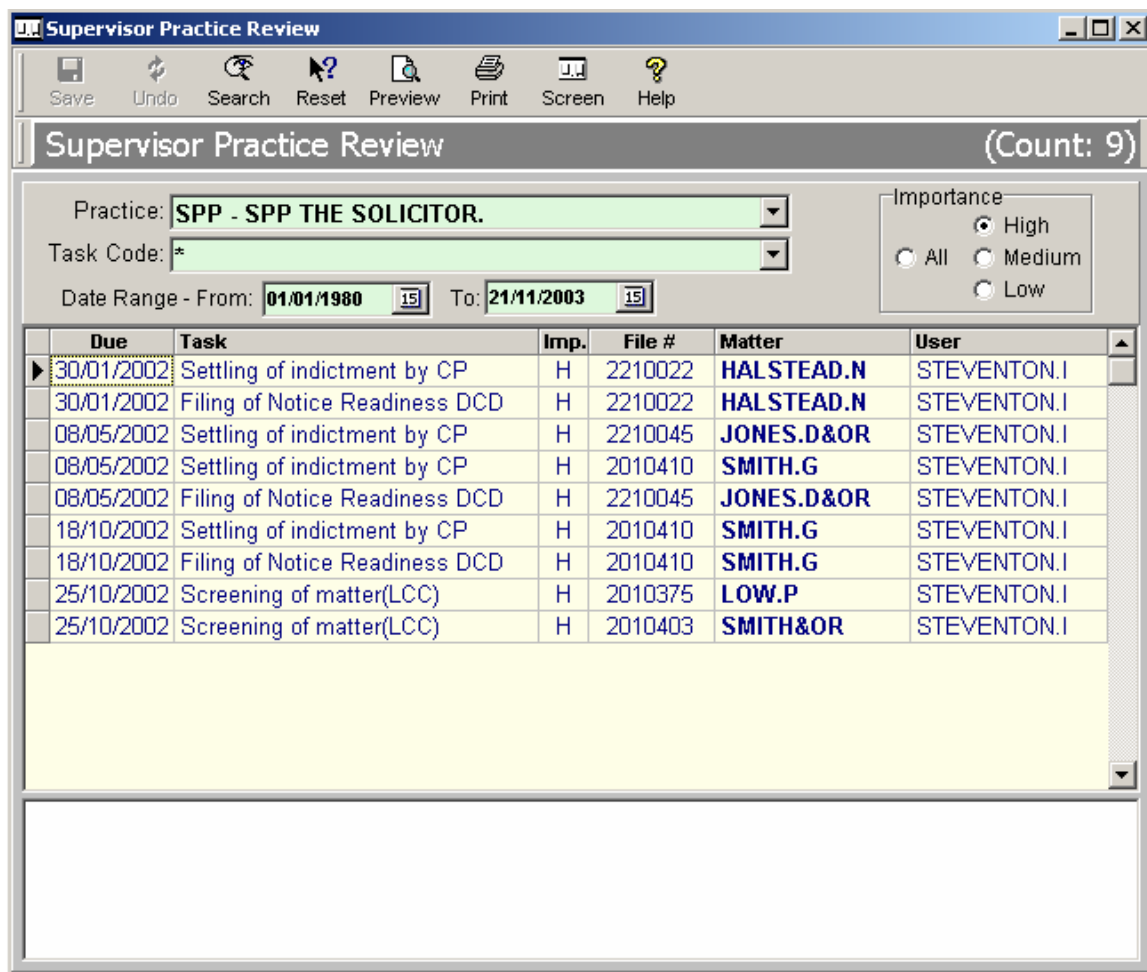
13. REPORTING

CASES provides the following reporting capabilities.

- Online reports or query screens.
- Printed reports using WordReports or Automating Microsoft Excel.
- Ad-hoc reports using any SQL based reporting tool.

13.1. ONLINE REPORTS OR QUERY SCREENS

These allow users to make inquiries of the system and review data without producing large amounts of paper. These reports were printed for staff on a daily, weekly or monthly basis, until it became apparent that they were comfortable using the online review. All of these online queries allow column re-ordering, sorting, print preview and printing as “WordReport” documents.



Due	Task	Imp.	File #	Matter	User
30/01/2002	Settling of indictment by CP	H	2210022	HALSTEAD.N	STEVENTON.I
30/01/2002	Filing of Notice Readiness DCD	H	2210022	HALSTEAD.N	STEVENTON.I
08/05/2002	Settling of indictment by CP	H	2210045	JONES.D&OR	STEVENTON.I
08/05/2002	Settling of indictment by CP	H	2010410	SMITH.G	STEVENTON.I
08/05/2002	Filing of Notice Readiness DCD	H	2210045	JONES.D&OR	STEVENTON.I
18/10/2002	Settling of indictment by CP	H	2010410	SMITH.G	STEVENTON.I
18/10/2002	Filing of Notice Readiness DCD	H	2010410	SMITH.G	STEVENTON.I
25/10/2002	Screening of matter(LCC)	H	2010375	LOW.P	STEVENTON.I
25/10/2002	Screening of matter(LCC)	H	2010403	SMITH&OR	STEVENTON.I

Figure 1

The above online query screen shows a simple parameter and result table query where the outcome can be previewed and printed. **Figure 2** below shows the results of pressing the preview button, note that test and development reports are automatically watermarked to prevent posting in error, this is done by the application not by maintaining multiple variants of document templates.

13.2. PRINTED REPORTS USING WORDREPORTS

CASES has its own integrated document and report production tool described in the section “CASES Word Reports”, note that this was used to produce the report in the illustration below **Figure 2**.

Due	Task	Imp	File-#	Matter	User
30/01/2002	Settling of indictment by CP	H	2210022	HALSTEAD.N	STEVENTON.I
30/01/2002	Filing of Notice Readiness DCD	H	2210022	HALSTEAD.N	STEVENTON.I
08/05/2002	Settling of indictment by CP	H	2210045	JONES.D&OR	STEVENTON.I
08/05/2002	Settling of indictment by CP	H	2010410	SMITH.G	STEVENTON.I
08/05/2002	Filing of Notice Readiness DCD	H	2210045	JONES.D&OR	STEVENTON.I
18/10/2002	Settling of indictment by CP	H	2010410	SMITH.G	STEVENTON.I
18/10/2002	Filing of Notice Readiness DCD	H	2010410	SMITH.G	STEVENTON.I
25/10/2002	Screening of matter(LCC)	H	2010375	LOW.P	STEVENTON.I
25/10/2002	Screening of matter(LCC)	H	2010403	SMITH&OR	STEVENTON.I

Figure 2

13.3. AD-HOC REPORTS USING ANY SQL BASED REPORTING TOOL

Since the CASES database uses an industry standard database (Microsoft SQL Server, Oracle or Sybase) any commercially available end user reporting tool can be used to create reports. This is however under the control of the system administrator and is usually provided through limited access logins to maintain system performance and data security.

It is also quite straightforward to provide quick ad-hoc responses to user enquiries using SQL by IT programming staff.

14. WORD REPORTS

Word Reports is a reporting tool, which is built into CASES and permits the generation of documents in Microsoft Word format.

Users construct templates using Microsoft Word, and populate these templates with data sourced from different data repositories.

A report consists of a template and a set of associated data sources, each of these data sources can be drawn from a standard library of existing data sources, which can be extended by programming staff or end users.

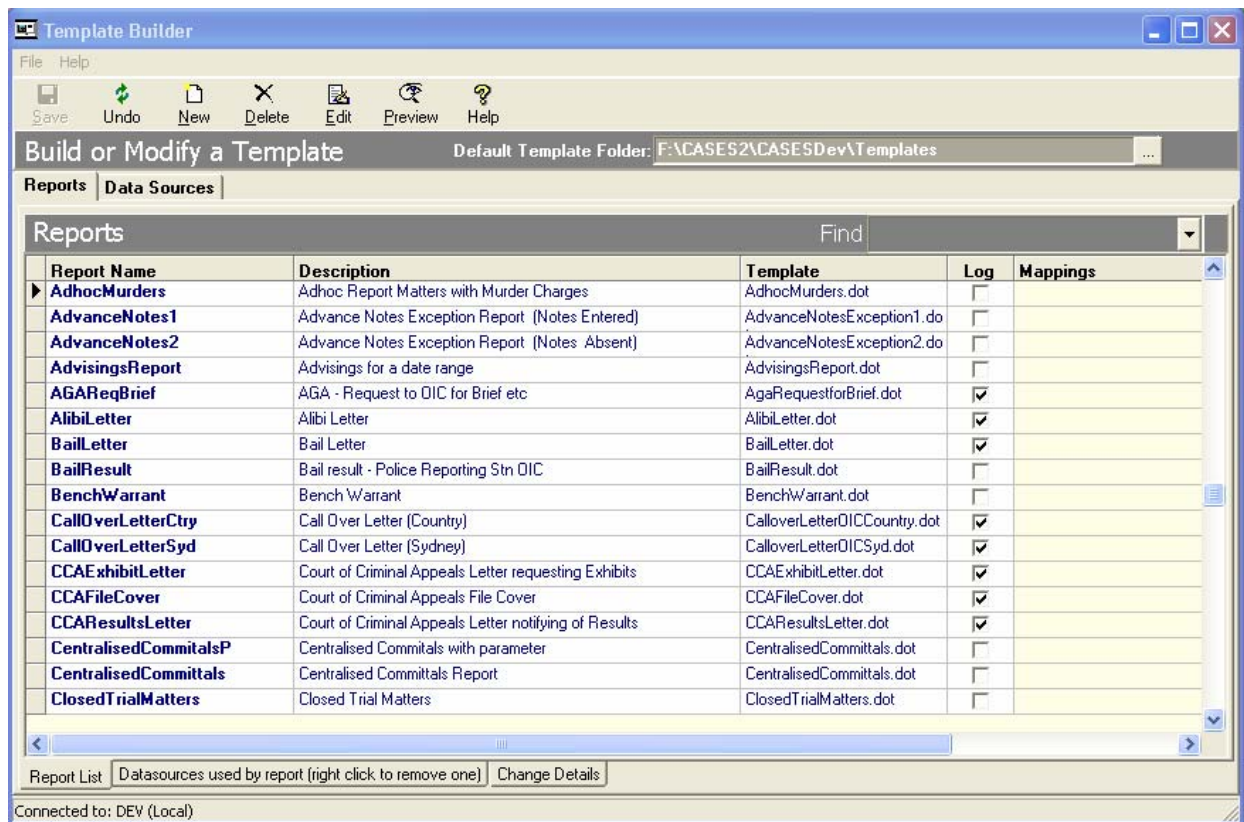


Figure 1

The above illustration **Figure 1** shows the set of defined reports in the database. **Figure 2** below shows the library of available data source definitions.

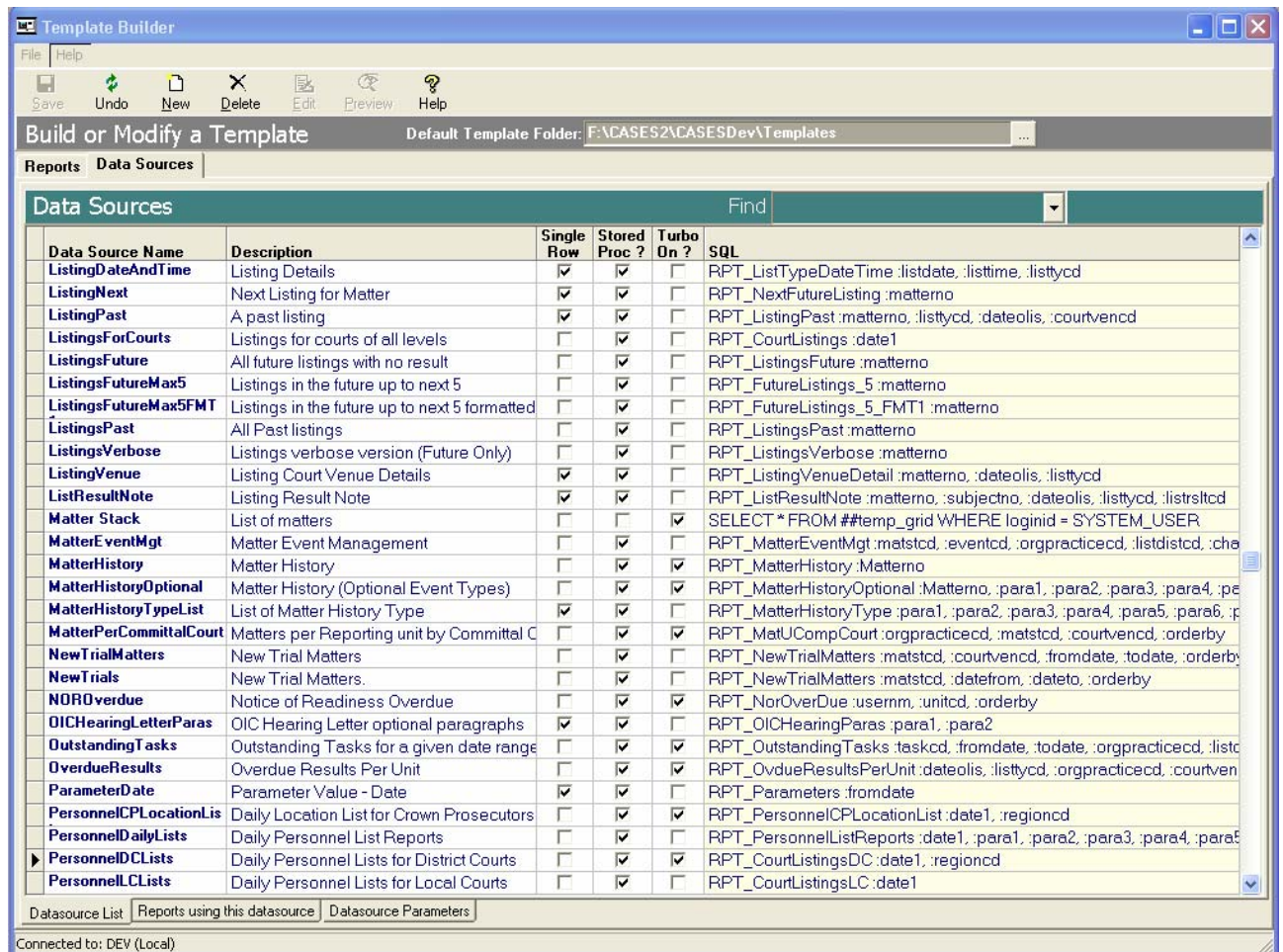
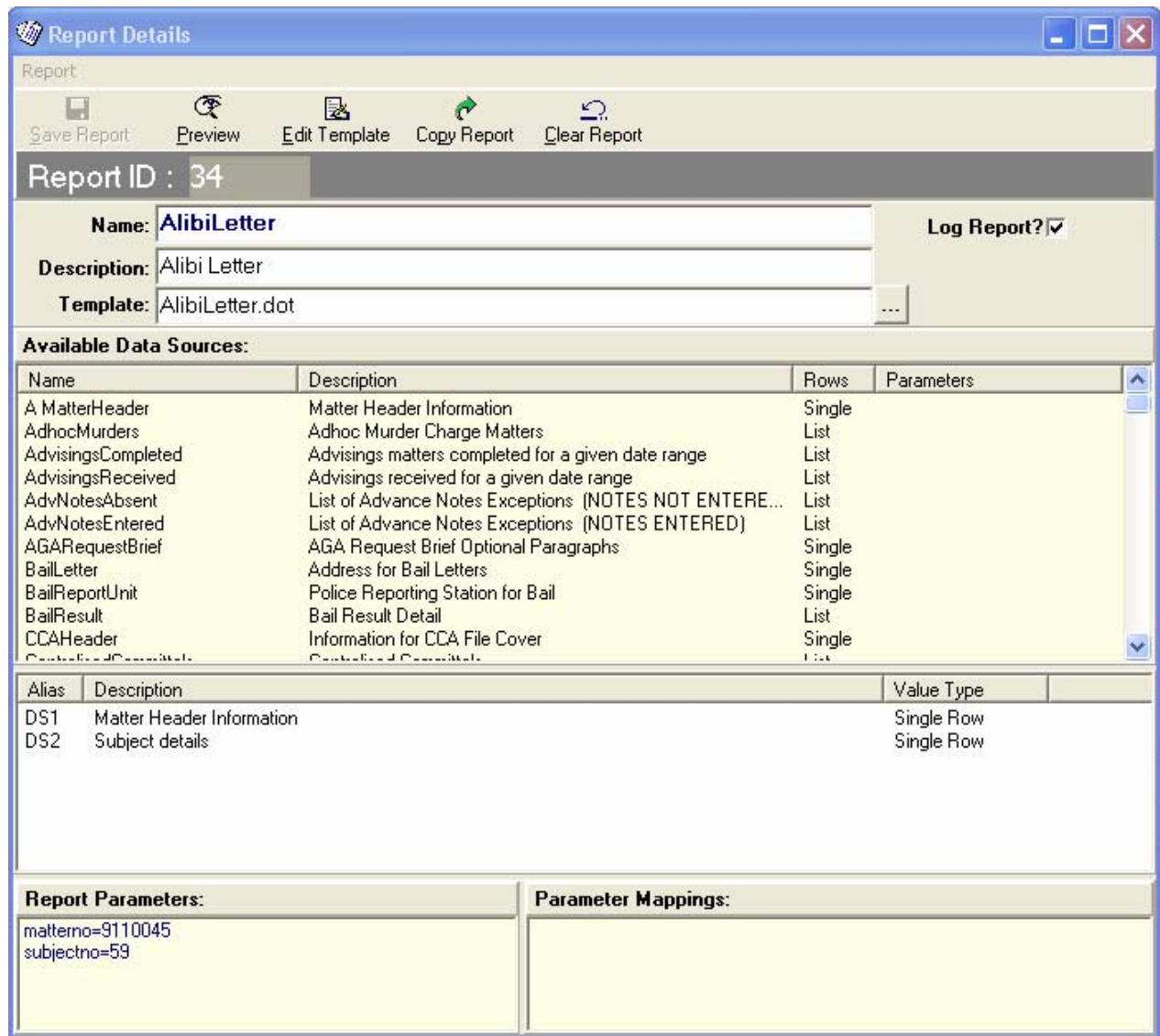


Figure 2

The above illustration shows the library of available data sources which are available for users to draw into their standard report templates. This is done in the report definition screen shown in **Figure 3**, the report is the drawing together of a standard template document and a set of data sources.



Report Details

Report

Save Report Preview Edit Template Copy Report Clear Report

Report ID : 34

Name: AlibiLetter **Log Report?** ☒

Description: Alibi Letter

Template: AlibiLetter.dot

Available Data Sources:

Name	Description	Rows	Parameters
A MatterHeader	Matter Header Information	Single	
AdhocMurders	Adhoc Murder Charge Matters	List	
AdvingsCompleted	Advings matters completed for a given date range	List	
AdvingsReceived	Advings received for a given date range	List	
AdvNotesAbsent	List of Advance Notes Exceptions (NOTES NOT ENTERED)	List	
AdvNotesEntered	List of Advance Notes Exceptions (NOTES ENTERED)	List	
AGARequestBrief	AGA Request Brief Optional Paragraphs	Single	
BailLetter	Address for Bail Letters	Single	
BailReportUnit	Police Reporting Station for Bail	Single	
BailResult	Bail Result Detail	List	
CCAHeader	Information for CCA File Cover	Single	
CentralizedCommittee	Centralized Committee	List	

Alias	Description	Value Type
DS1	Matter Header Information	Single Row
DS2	Subject details	Single Row

Report Parameters:

matterno=9110045
subjectno=59

Parameter Mappings:

Figure 3

Once the report definition is complete, the template is then edited using Microsoft Word and any data items, which are available in the chosen data source(s), can be placed on the template as they will appear at runtime. Data sources can also provide Tables of data, which allows statistical reports to be generated, and quite complex report layouts implemented quite easily, an example of a Word Report using tabular data is the Matter history document as shown in the document “CASES Matter History”.

The illustration below **Figure 4** shows a user updating a standard report template using the Data Fields from the popup presented by Word Reports.

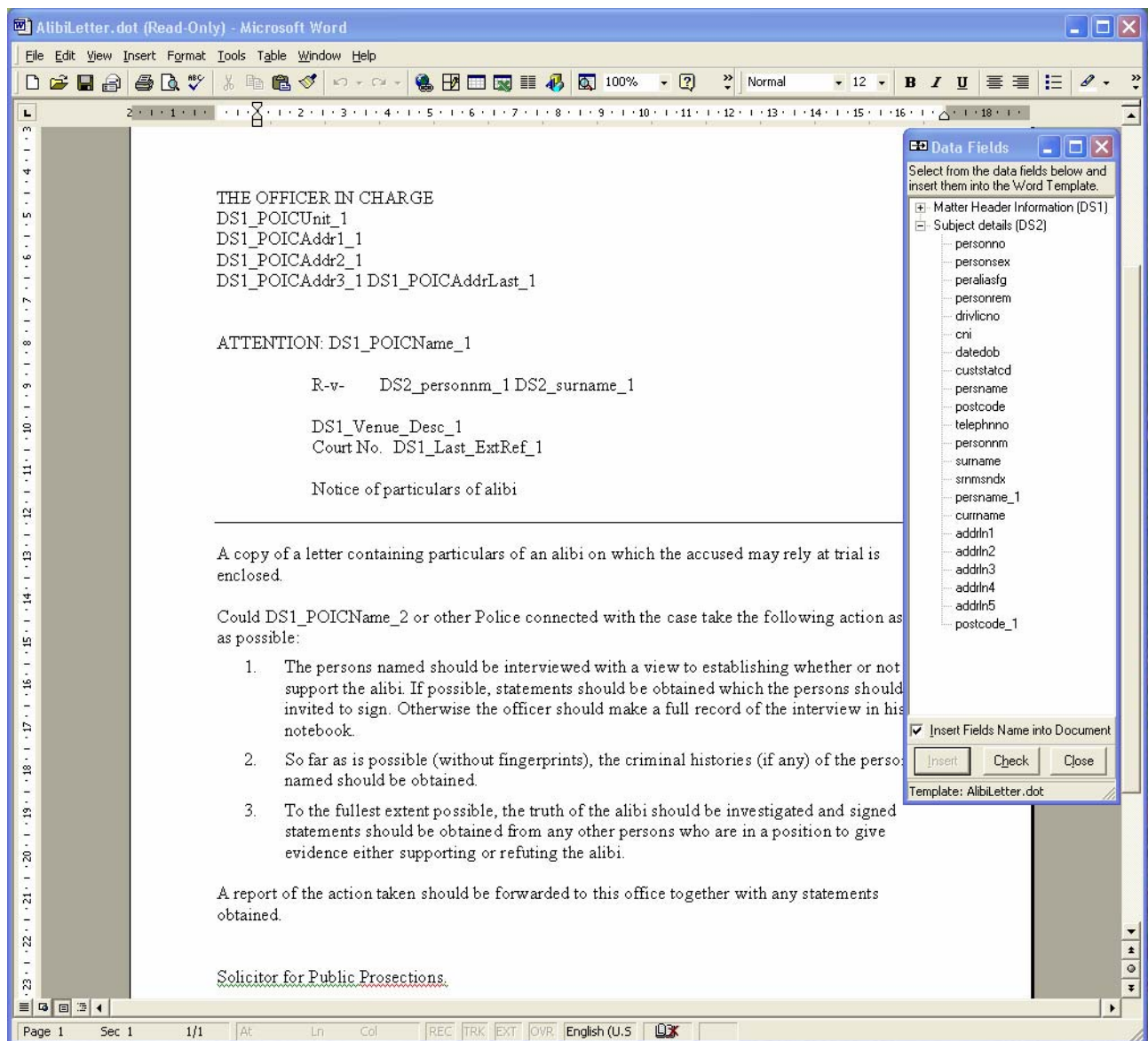


Figure 4

Once the library of standard letters and reports is built up, these documents can be associated with tasks and screens within the standard cases workflow. **Figure 5** below shows how the system administrator can associate any defined report with any screen in the system, when a users presses the report button at the top of any screen a drop down list of valid reports for this screen is shown in **Figure 6**.

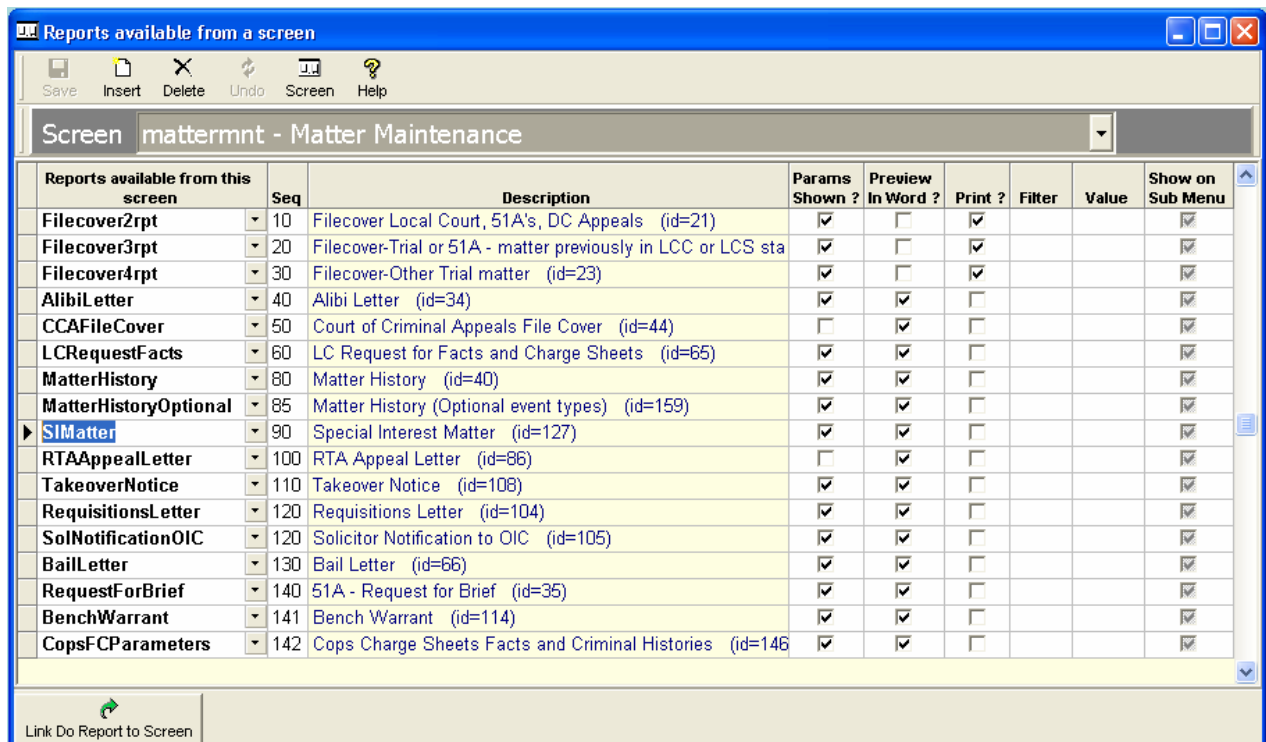


Figure 5

The screen above shows the list of defined reports, which have been attached to the “Reports” button on the form shown below. This screen also allows the behaviour to be controlled, some reports will just print others will show a parameter dialog, others will preview as a word document.

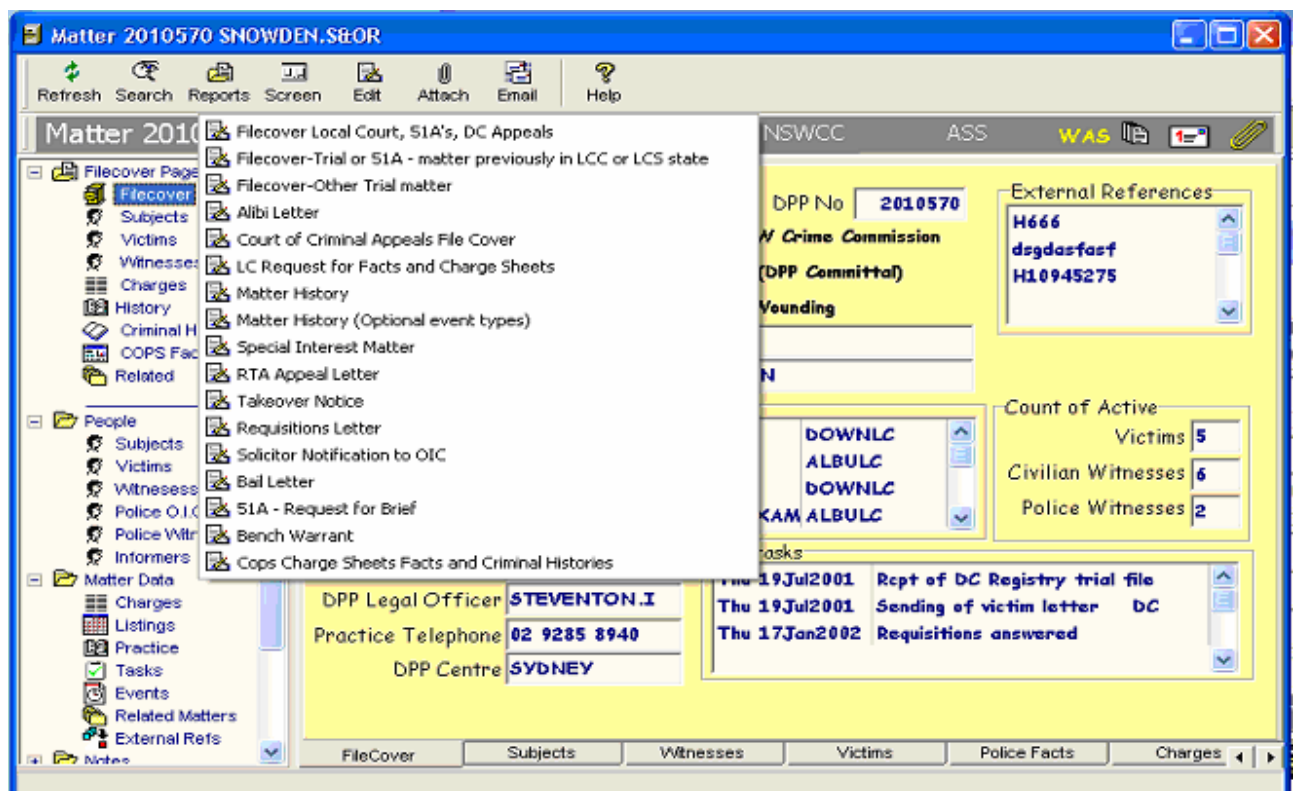


Figure 6

When the user selects a report from this list the parameter requirements for the report are checked against the “dynamic context” of the current screen. If all of the parameters can be derived from the users current context, then no parameter entry is required. This allows reports to be attached to forms where not all parameters are available. If the parameter requirements are not all met from context then a generic parameter screen appears with all of the “Known” values ready populated and the required fields available as data entry items. Note that even if all parameters are known, it can be set that the parameter screen should always be shown to the user as shown in **Figure 5**. If the report has been set to preview in word then the document appears in Microsoft Word and can be printed directly from there, otherwise the document appears on the users default printer.

15. FILE NOTES

15.1. ATTACHING FILE NOTES

CASES file notes can be attached to a matter by anyone with access to do so; file notes are treated as tasks in their own right and support the concept of a resubmit. A file note can have a due date, be breached and be resubmitted to the sender as a reminder; file notes appear along side tasks on the users matter carriage workplace. File notes can be used as ad-hoc tasks in their own right where a user wants to request some unusual activity be carried out on a file by a due date.

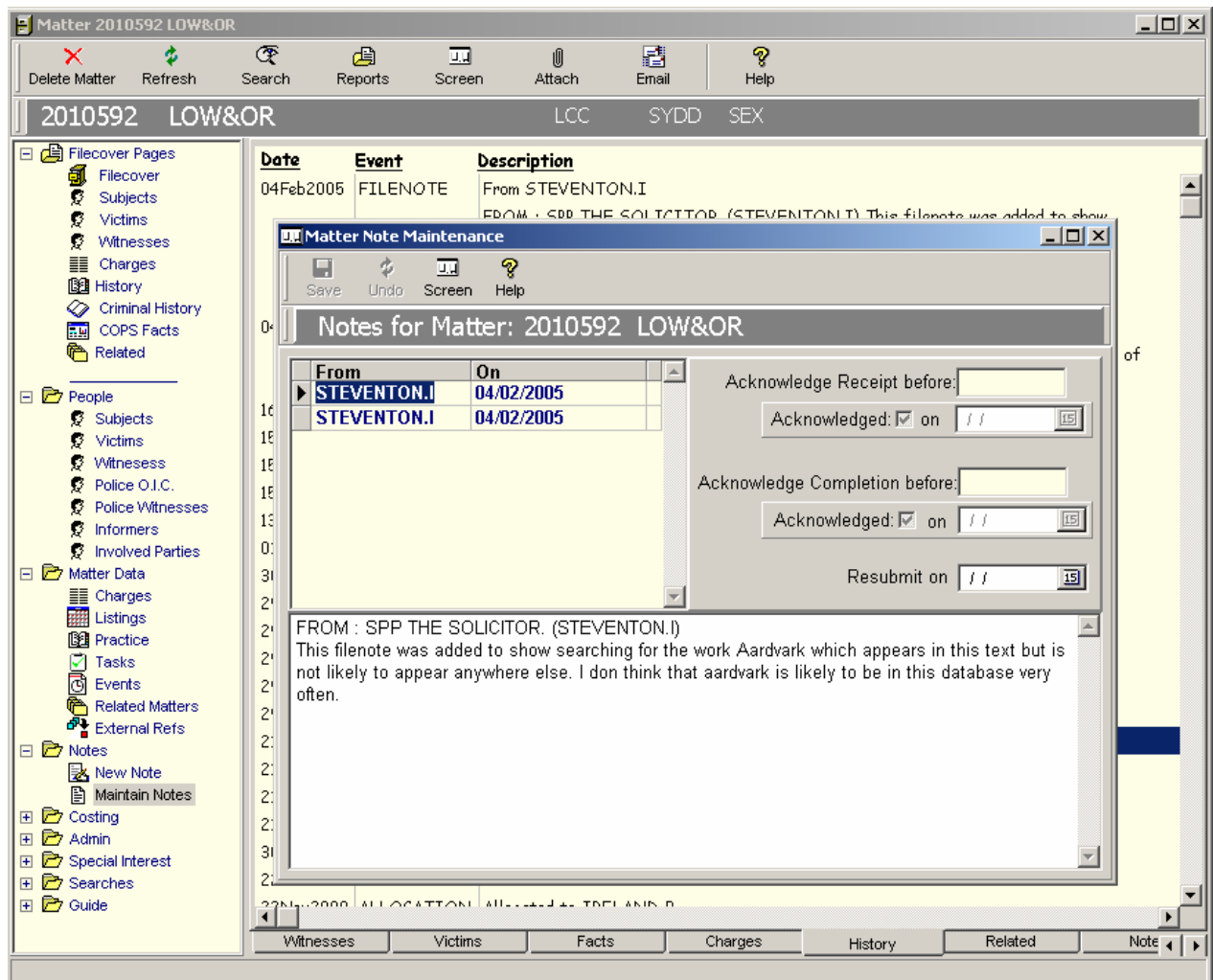


Figure 1

The above illustration **Figure 1** shows the file note maintenance function chosen from the tree on the left hand side of the underlying file cover. Notes can be acknowledged, completed and resubmitted from here or on the matter carriage workplace.

15.2. COMPLETING AND ACKNOWLEDGING FILE NOTES

Figure 2 shows the user acknowledging or completing notes from their carriage workplace without having to go into the matter.

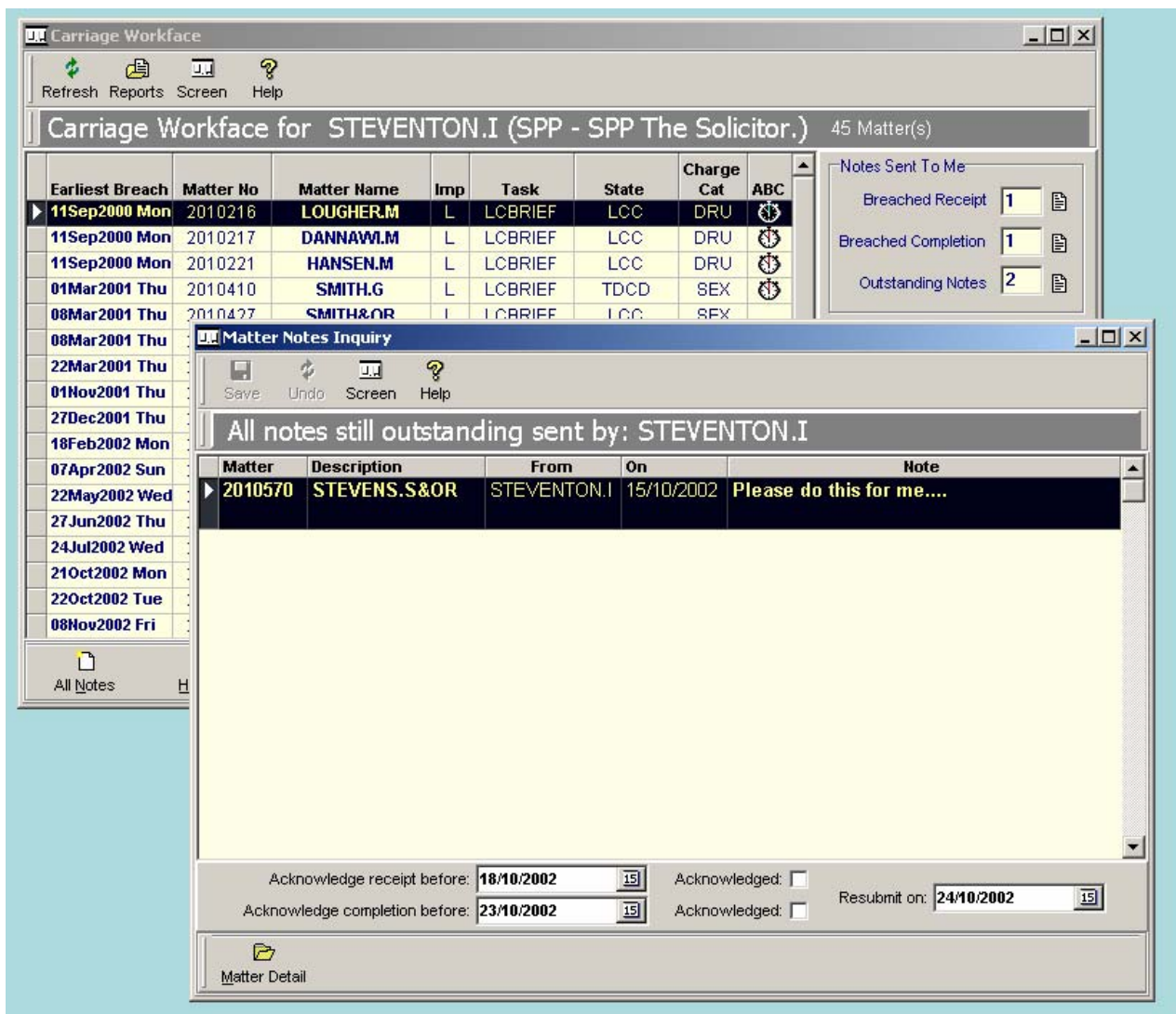


Figure 2

15.3. FILE NOTES IN THE MATTER HISTORY

All notes which are attached to a matter appear in summary form in the matter history as shown in **Figure 3**.

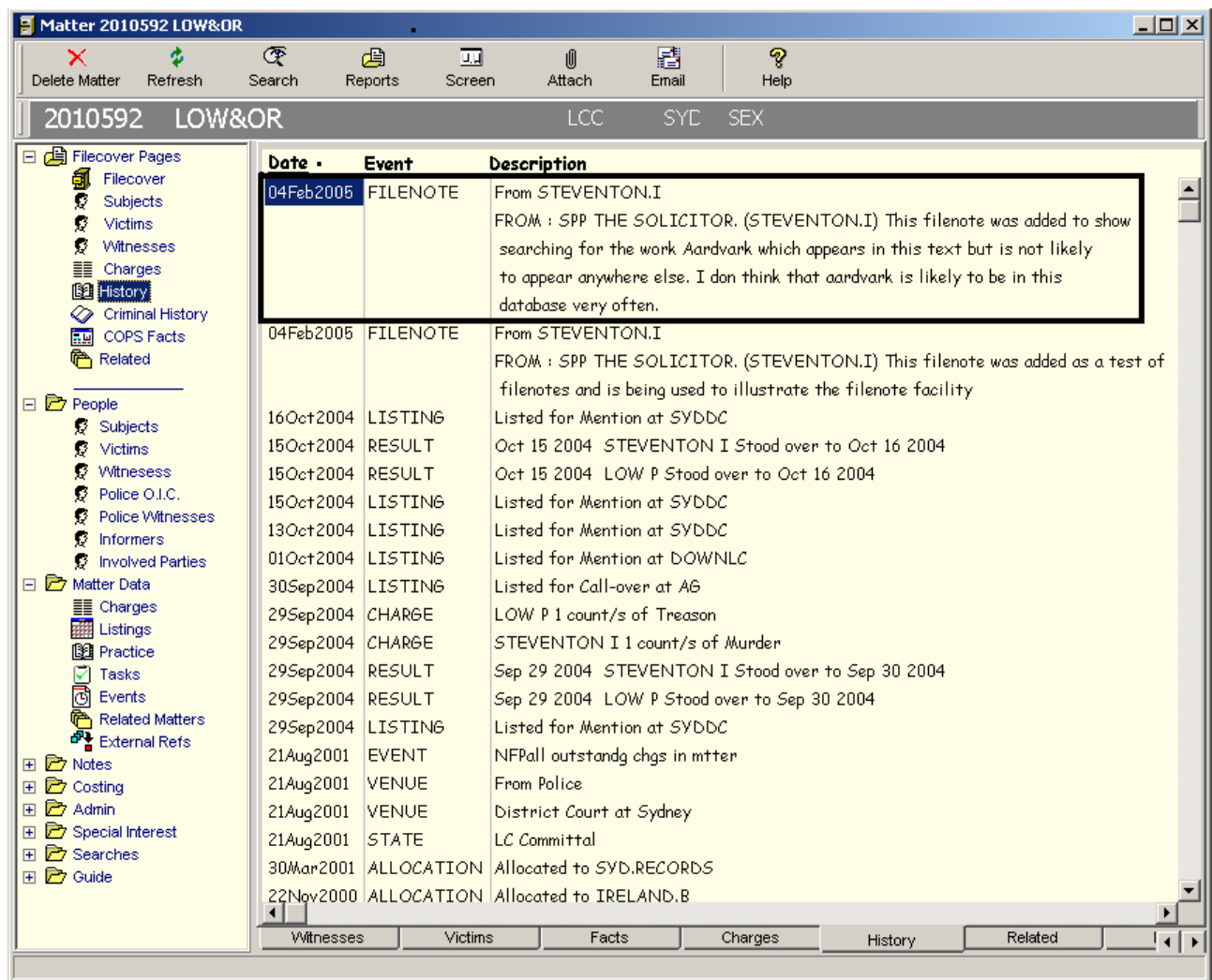


Figure 3

15.4. TEXT SEARCH IN FILE NOTES.

Also notes can be searched using the matter text search capability as shown below in Figure 4.

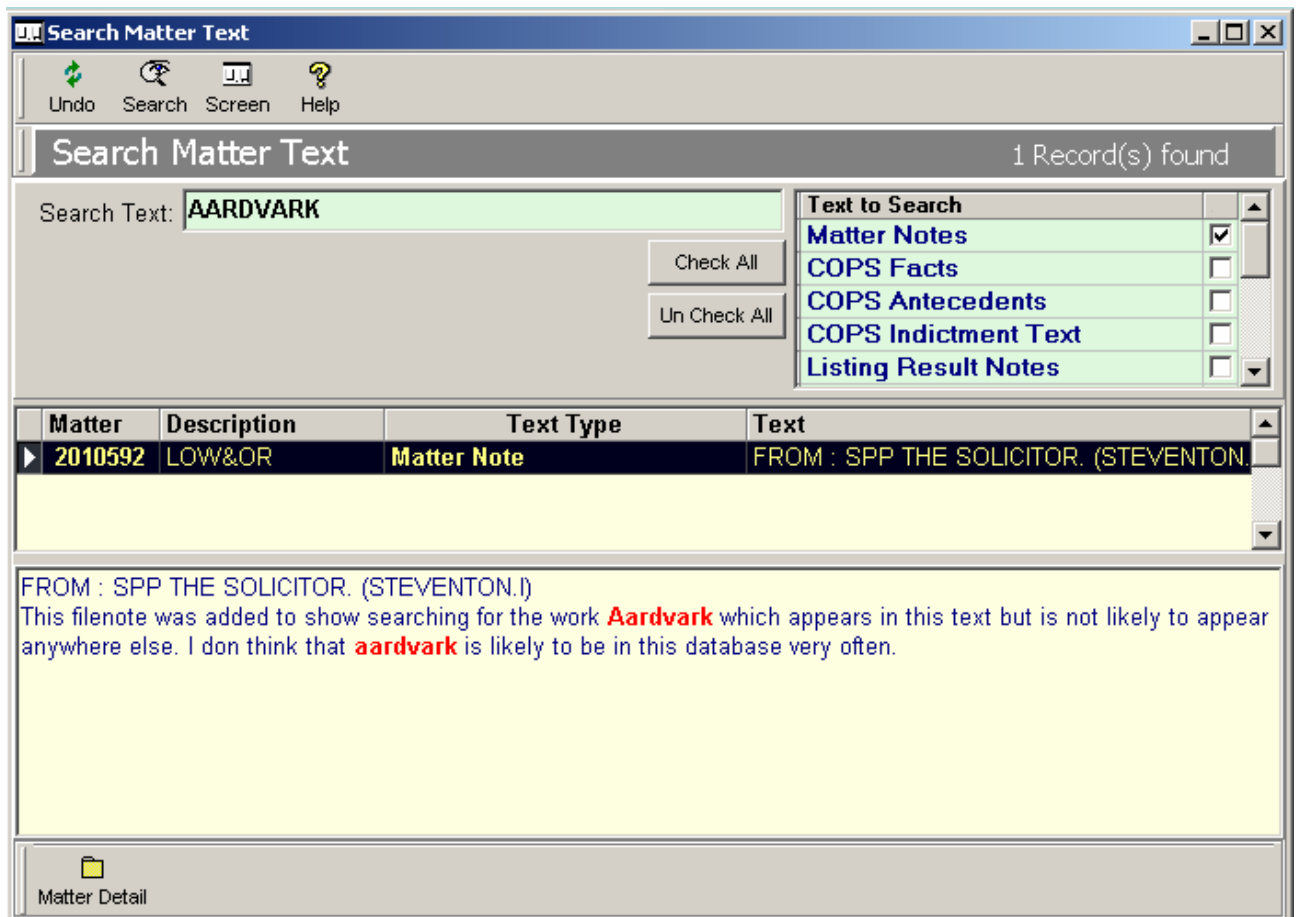


Figure 4

16. DOCUMENT MANAGEMENT

CASES uses a document repository to store any documents associated with a matter, whether they were produced by the matter as word reports documents or attached to the matter. Attached documents can be of any type. CASES refers to the document repository as IDMS or Integrated Document Management System. The interface between CASES and the IDMS is implemented using an abstraction layer allowing connection to a logical or generic document repository. CASES has its own document repository or can be configured to connect to industry standard repositories. Currently the only supported repository is from Objective Corporation however others can be accommodated on request through the abstraction layer.

The key business benefits of integrated document management to CASES are:

- The document repository becomes searchable for research and precedent.
- Documents are held once,
- Documents are audited for change.
- Documents are backed up from a single source.
- Documents are version controlled with full change history and locking.
- Compliance with State Records and best practice record keeping.

Figure 1 below shows how to perform a simple document search from within CASES for any document in the repository containing the complete word “test”

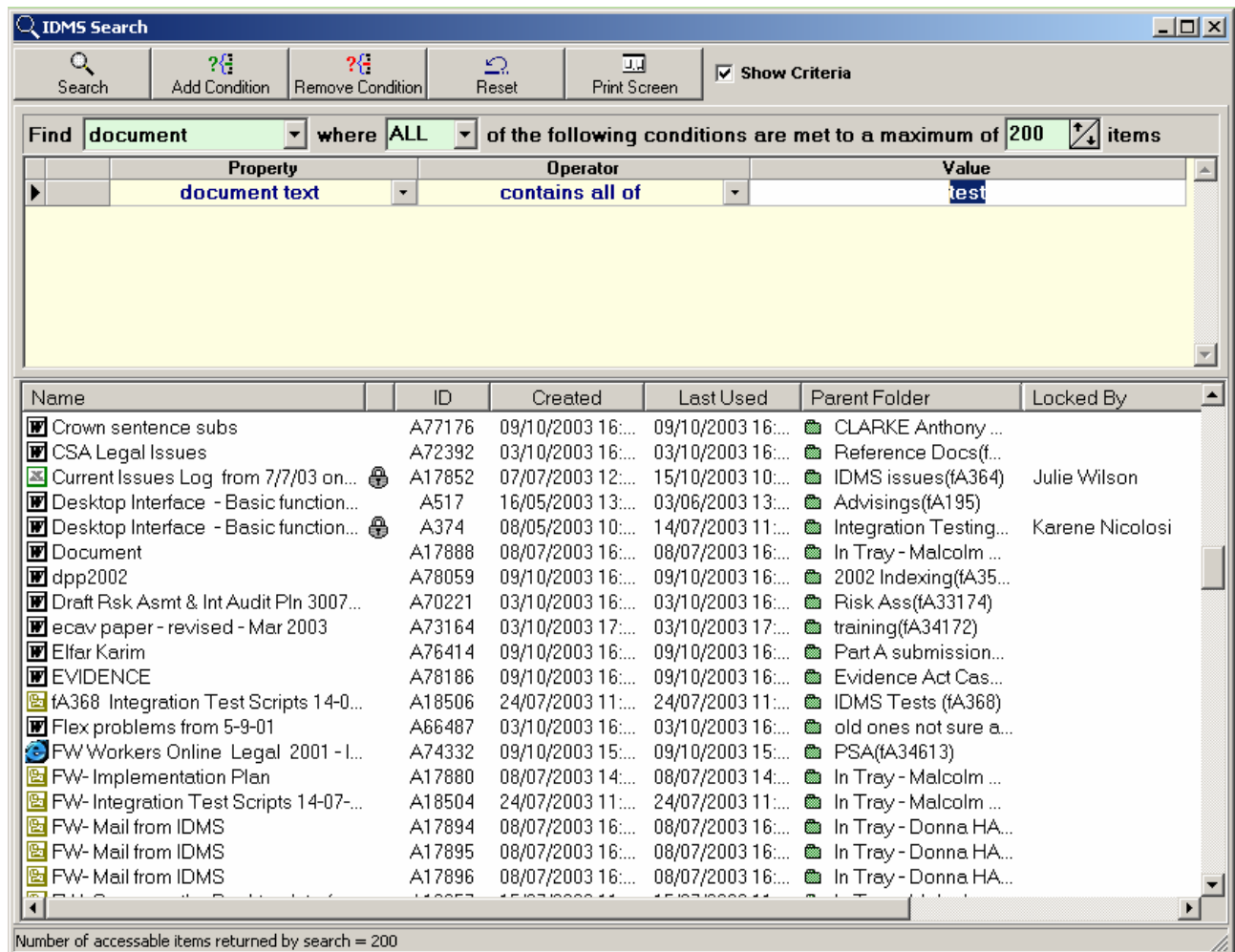


Figure 1

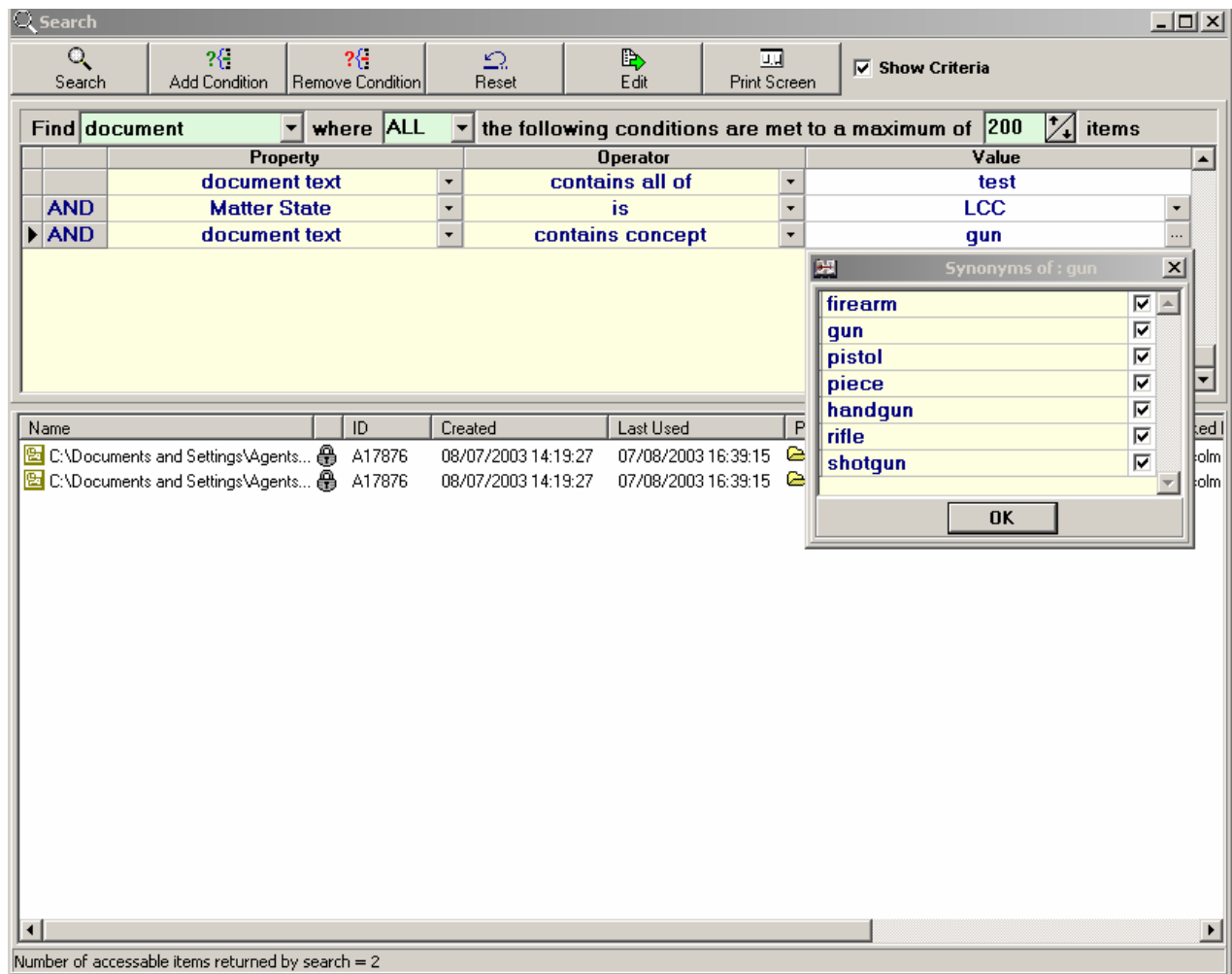


Figure 2

Figure 2 above shows a more complex “Hybrid” search where the user has requested all documents which mention the word test AND the concept “gun” AND the document is associated with a matter whose current status in the workflow is LCC “Local Court Committal” (the description appears in the dropdown).

A conceptual search uses a thesaurus to include all known synonyms of the supplied search term and allows the user to exclude any deemed inappropriate. There is also a keyword search used for document classification for records management.

Any document can be attached to a matter when documents are attached a paperclip icon appears on the right hand side of the status header on the matter file cover, as shown below.

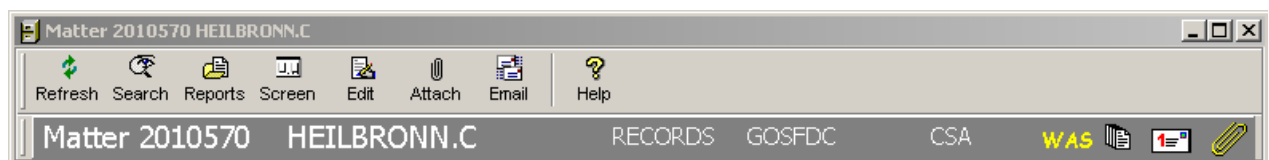


Figure 3

The user can either double click the paperclip or the attach button on the toolbar to present the popup shown in **Figure 4**, the document stack indicates that there are saved documents

from this matter and the email envelope indicates that there are emails (the red “1” indicates one of which is unread).

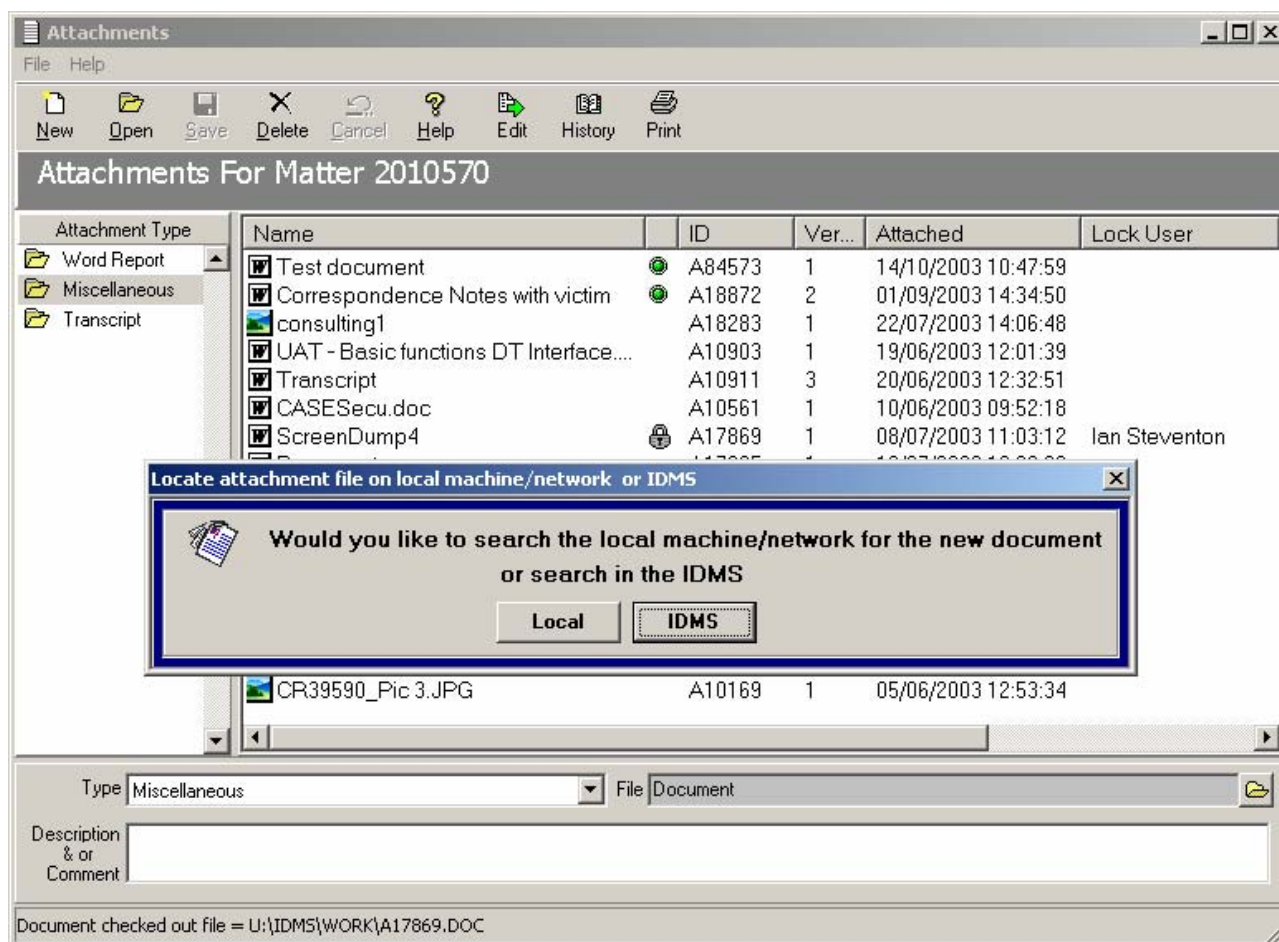


Figure 4

The green LED icons on the attachment screen show that the user has EDIT clearance as opposed to a RED led which just implies READ access to the document. A padlock clearly indicates that the document is being edited and is checked out. The dialog shown appears when the New button is pressed on the toolbar, this allows users to add new documents to the repository as matter attachments or search the repository for existing document and attach them (research and precedent documents).

The attachment type panel on the left shows all types of document, which are currently attached to this matter (not all types which exist). The Word report section shows all documents, which have been produced from this matter and stored in the repository. It is not compulsory that all documents produced be stored this is a function of the definition of the document.

17. PAPER CAPTURE

Since many of the documents associated with the processing of matters are received as hard copy documents (particularly in the legal process). CASES provides a mechanism to capture such documents and attach them to the correct matter turning them into a searchable resource. A prime business driver is that this should be a PUSH process and not require users to:

- Set a PC into SCAN mode
- Go to the scanner,
- Scan the document,
- Go back to the PC attach to CASES.

Clearly, this procedure is inefficient.

The paper capture agent works in the following manner:

- The scanner must support some form of “SEND” which allows a programmable button to send the scanned document to either an FTP address, Email box or shared network folder.
- Standard cover sheets are provided for each of the destinations that documents can be scanned to, these can be a CASES Matter, an Email Address or a Document Management folder.
- The paper capture agent watches for any new documents arriving in the SEND folder for the scanner(s).
- The scanned document is converted to a searchable PDF document using Adobe Paper Capture (single license required) to convert from multiple TIFF files.
- The agent extracts and parses the text from the PDF looking for the cover page(s). If a routing page is found then the agent reads the matte number, or email address or IDMS folder id and sends the searchable PDF to the correct destination.

This can be used even without CASES (and currently is) to allow users to scan to searchable PDF and email the results to themselves without support staff intervention.

This process happens behind the scenes, to a user the mechanism is simply create a document stack walk to copier and press 1 or two buttons. The procedure for ODPP users is shown on the next page.

17.1. SCANNING PROCEDURES

The procedure for scanning and automatically sending documents using the Canon ir6000i photocopier series are as follows:

1. Place the document with the destination cover sheet on the automatic feeder of the photocopier.
2. Select the ‘Send’ tab on the photocopier screen. This will change the view to the screen shot below. Then select the ‘Paper Capture’ button. ‘Paper Capture’ will then be highlighted in blue in the white area.

Note: When scanning two-sided documents select the ‘Two-sided original’ button on the right hand side of **Figure 1** below.

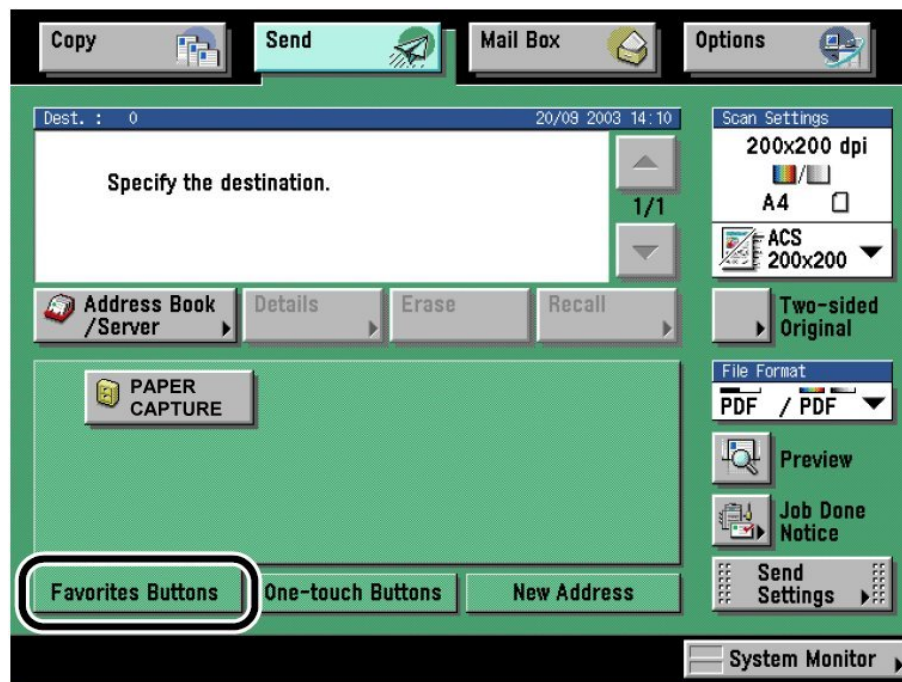
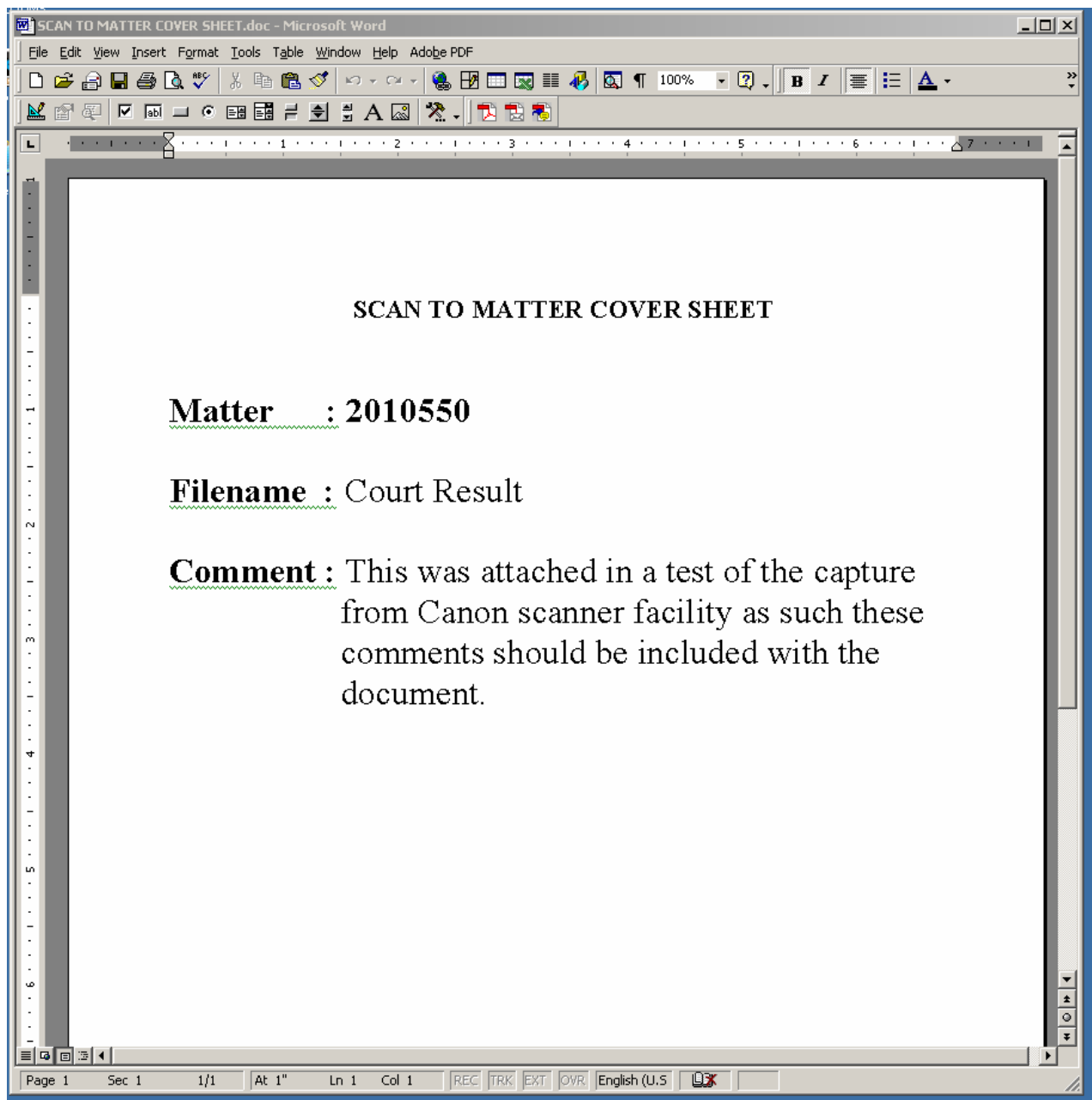


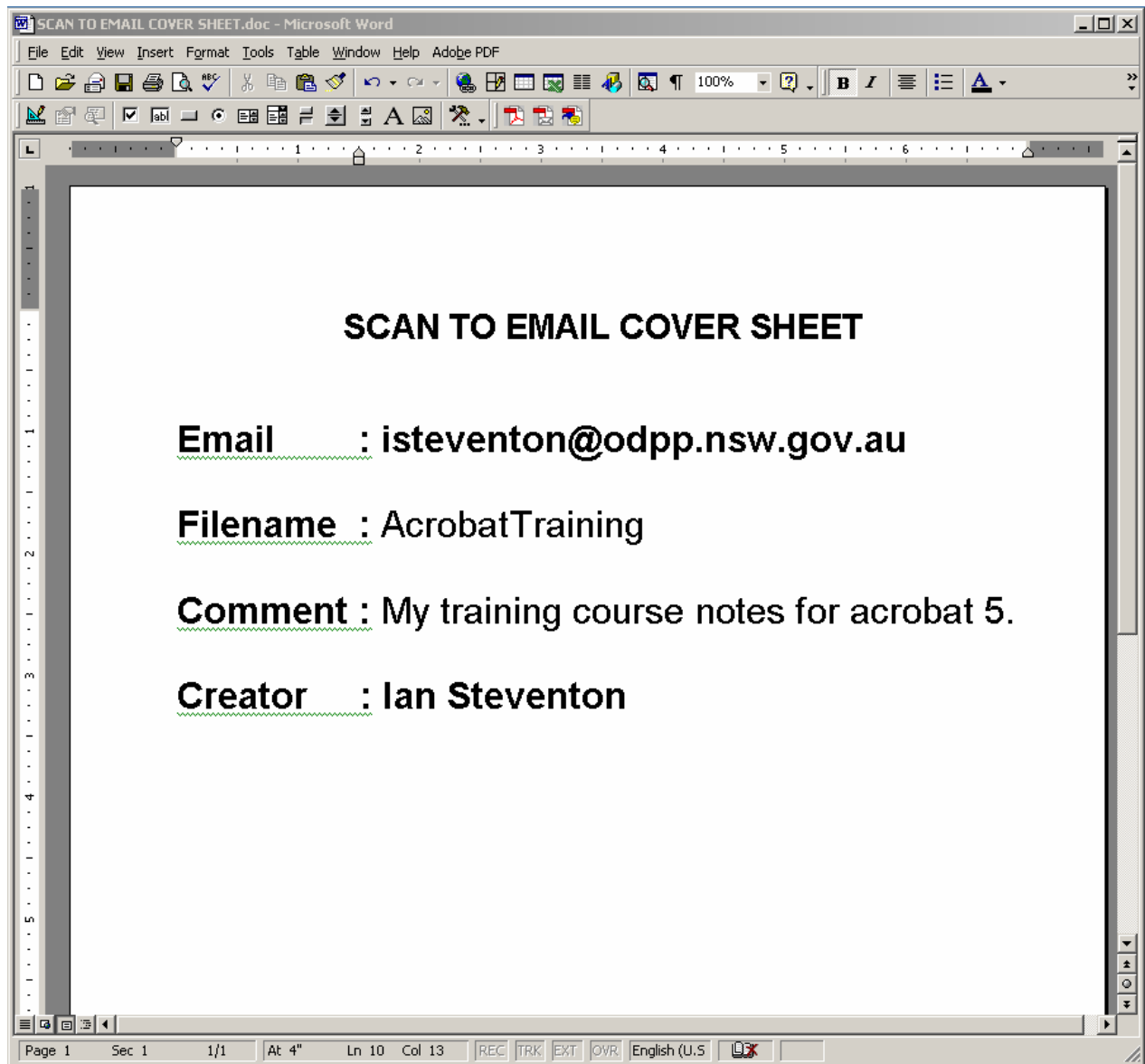
Figure1: Screen Image on the Photocopier for the 'Send' tab

Once this button has been selected, press the Green button on the photocopier as you would normally select to copy a document

An example of the cover sheet used for the agent is shown below, these coversheets are included in CASES and can be produced from the filecover or edited as a word processing document, much like a fax coversheet. The example shown below is a cover sheet, which will tell the agent to attach the following pages to CASES matter 2010550 as a file called "Court Result", the comments are included in the CASES attachment.



The cover sheet below would send the following pages to an email address as an attached searchable PDF document.




18. ACTIVITY BASED COSTING

Activity based costing permits matters to have time recorded against them and subsequently appear in the costing reports which allow the review of individual matter costs or average cost by type, size and other attributes.

The costing figures are based on the hourly rates for the staff members who recorded the time, and is sourced from the HR system, using an agent built for this purpose.

It is not compulsory to cost all matters by default.

If a matter is flagged for costing then the stopwatch icon appears on the matter search and carriage workface screens as show in the illustrations below (**Figure 1** and **Figure 2**).



The screenshot shows the 'Carriage Workface' application window. The title bar reads 'Carriage Workface'. Below the title bar is a menu bar with 'Refresh', 'Reports', 'Screen', and 'Help'. The main area displays 'Carriage Workface for STEVENTON.I (SPP - SPP The Solicitor.)' with '48 Matter(s)'. A table lists matters with columns: 'Earliest Breach', 'Matter No', 'Matter Name', 'Imp', 'Task', 'State', 'Charge Cat', and 'ABC'. The table contains 20 rows of data. To the right of the table is a sidebar with two sections: 'Notes Sent To Me' and 'Personal Task Notes'. Each section has a list of items with counts and document icons. At the bottom of the window is a toolbar with icons for 'All Notes', 'History', 'Matter Tasks', 'Matter Search', 'Matter Detail', and 'Costing'.

Earliest Breach	Matter No	Matter Name	Imp	Task	State	Charge Cat	ABC
11Sep2000 Mon	2010216	LOUGHER.M	L	LCBRIEF	LCC	DRU	
11Sep2000 Mon	2010217	DANNAWI.M	L	LCBRIEF	LCC	DRU	
11Sep2000 Mon	2010221	HANSEN.M	L	LCBRIEF	LCC	DRU	
01Mar2001 Thu	2010410	SMITH.G	L	LCBRIEF	TDCD	SEX	
08Mar2001 Thu	2010427	SMITH&OR	L	LCBRIEF	LCC	SEX	
08Mar2001 Thu	2010440	SMITH&OR	L	LCBRIEF	LCC	SEX	
22Mar2001 Thu	2010493	NGUYEN.O	L	LCBRIEF	LCC	HOM	
18Sep2001 Tue	2010527	BRIAR.C&OR	L	RCVDRECS	RECORDS	HOM	
01Nov2001 Thu	2010570	STEVENS.S&OR	H	NORTDCD	TDCD	CSA	
27Dec2001 Thu	2210022	HALSTEAD.N	M	EVIDACT	TDCD	ASS	
18Feb2002 Mon	2210045	JONES.D&OR	M	EVIDACT	TDCD	SEX	
07Apr2002 Sun	2010403	SMITH&OR	M	BAILOIC	LCC	SEX	
02May2002 Thu	2210057	CALTABIAN&OR	M	LCBRIEF	RECORDS	ROB	
22May2002 Wed	2210078	unknown	M	LCBRIEFS	TSCR	FRA	
27Jun2002 Thu	2210086	KENNEDY.P	M	PREPTDCD	LCC	ASS	
24Jul2002 Wed	2010214	HANSEN.M	M	PREPTDCD	LCC	DRU	
21Oct2002 Mon	2210034	BLAZEVSIL.R	M	BAILOIC	BA	FRA	

Notes Sent To Me

- Breached Receipt: 1
- Breached Completion: 1
- Outstanding Notes: 2

Personal Task Notes

- Breached Completion: 1
- Resubmit: 2
- Outstanding Notes: 5

Toolbar: All Notes, History, Matter Tasks, Matter Search, Matter Detail, Costing

Figure 1

Matter Management

Search Reset Preview Print Screen Help Select All ☒ Show Criteria

Matter Search 1 Matter(s) Found

Matter No: Ext Ref: Type:

Surname: ☐ Sound Match Given Name:

CNI Number: Related to Matter as:

Matter Name: Practice:

Charge Cat: Venue:

DPP Centre: State:

Matter

Matters 1 Matter(s) Found

DPP No	Name	Rel	Type	Venue	Centre	Charge	Practice	State	ABC
▶ 2010570	STEVENS.S&OR		PR	SYDDC	SYDNEY	CSA	SPP	TDCD	

Figure 2

When the matter is flagged for costing, time is recorded against the various activities, which can be completed in the course of processing the matter. **Figure 3** below shows the screen provided by the system for recording this time.

Time Recording

Save Insert Delete Undo Screen Help

Time Recording for : 2010217 (DANNAWI.M)
Today's Date : Friday, January 21, 2005

Practice Officer

Recorded	By	Date	Activity	Time Spent
▶ 21 Jan 2005 13:06	STEVENTON.J	21/01/2005 1:11:46 P	ADVEXP	01:00
21 Jan 2005 13:06	STEVENTON.J	21 Jan 2005	INTLGL	02:00

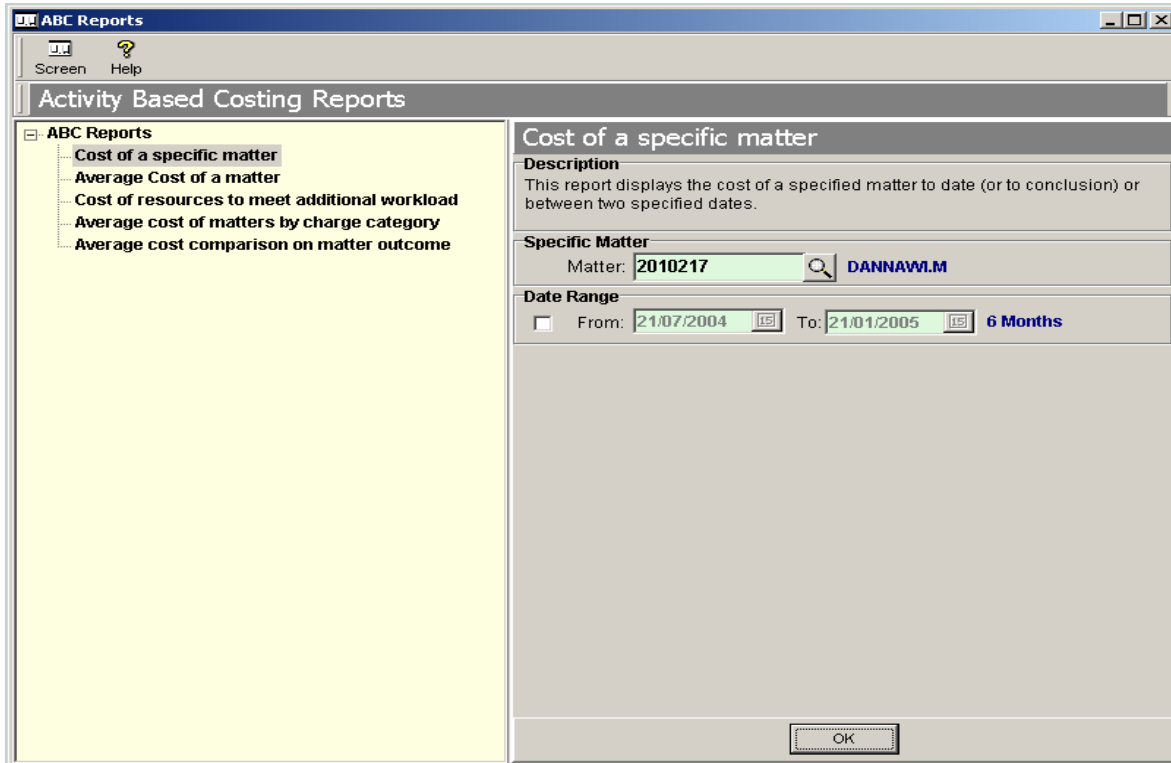
Comment Time To Date

Discussing the matter with j Smith.

Activity Defs.

Figure 3

Once the time has been recorded for a matter there is a reporting suite, which allows costs to be reported across the organisation, or for specific matters, the report selection screen is shown below and an example of the user designed screen showing the costing breakdown for a simple matter, **Figure 4** and **Figure 5**.



The screenshot shows the 'ABC Reports' window with the 'Activity Based Costing Reports' section expanded. The 'Cost of a specific matter' report is selected. The 'Description' field states: 'This report displays the cost of a specified matter to date (or to conclusion) or between two specified dates.' The 'Specific Matter' field is set to '2010217' with a search icon and the text 'DANNAWL.M'. The 'Date Range' section shows 'From: 21/07/2004' and 'To: 21/01/2005' with a '6 Months' duration. An 'OK' button is at the bottom right.

Figure 4

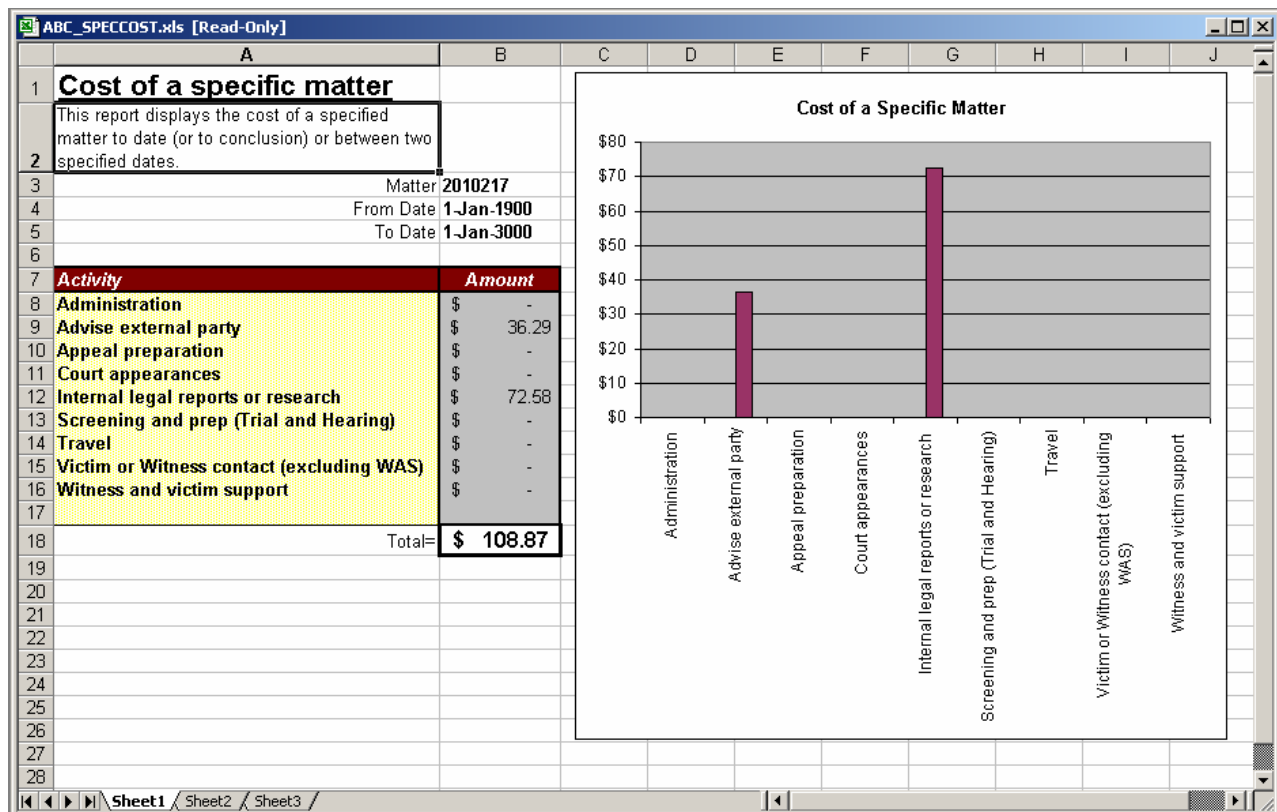


Figure 5

19. ADMINISTRATION

19.1. ADMINISTRATION MENU

Cases includes an extensive suite of administration facilities to manage and configure the application, a sample of some of the functions in the administration menu are shown in **Figure 1** and **Figure 2** below.

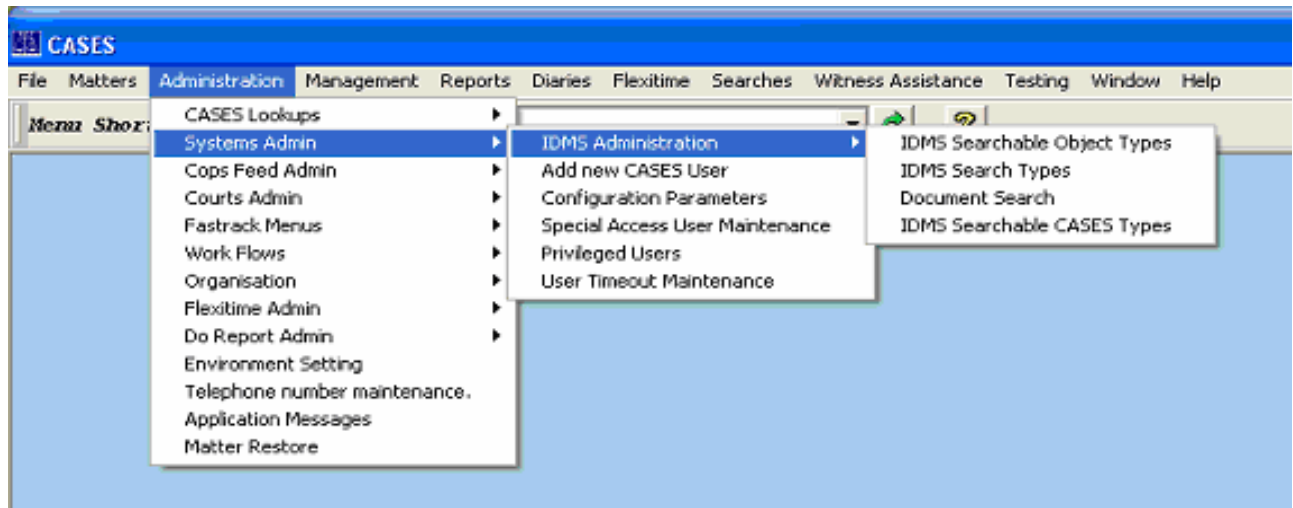


Figure 1

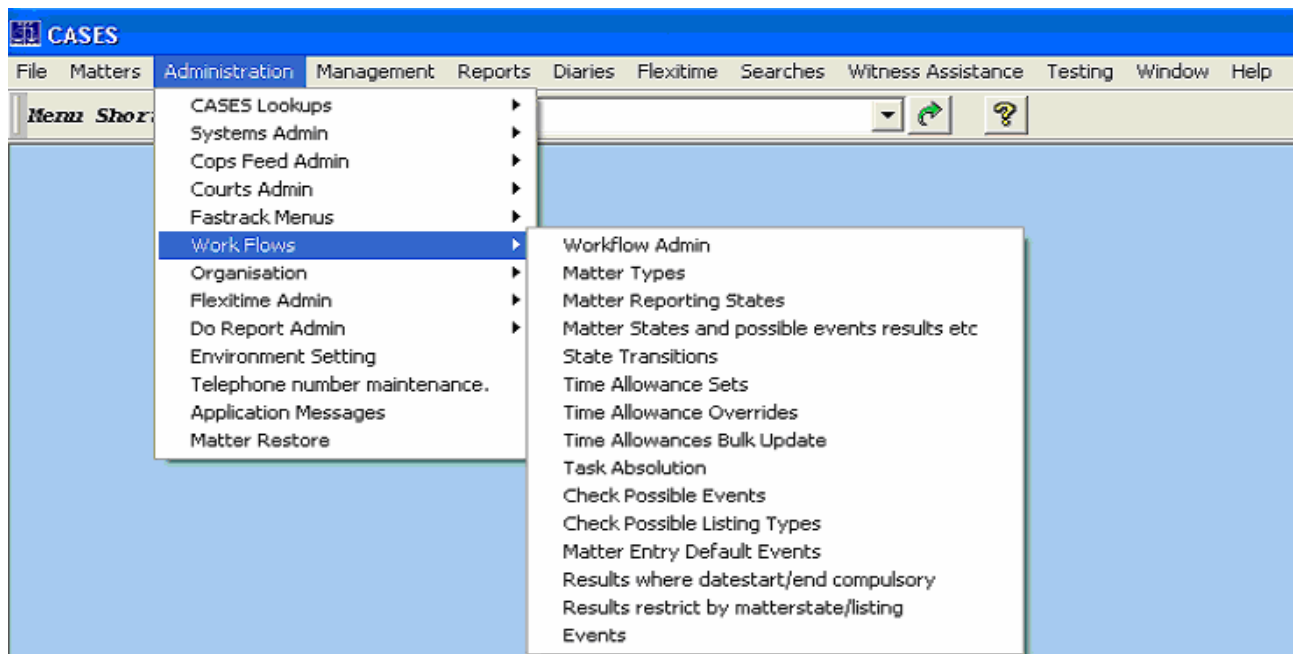
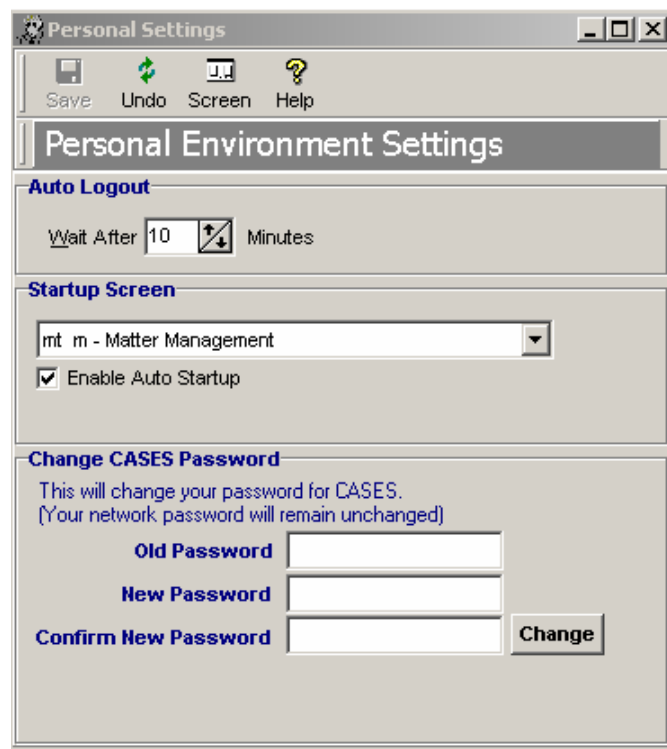


Figure 2

19.2. ADMINISTRATIVE FUNCTIONS

All of the administrative functions are intuitive and easy to use, a small set of these functions can be provided to end users, this can be controlled using security groups (see CASES Security document).

An example of this is the environment popup shown in **Figure 3** below, which allows a user to modify their password, initial screen, and system timeout (within a range set by the administrator).



The screenshot shows a 'Personal Settings' dialog box with a title bar containing a gear icon and standard window controls. Below the title bar is a toolbar with icons for 'Save', 'Undo', 'Screen', and 'Help'. The main content area is titled 'Personal Environment Settings' and contains three sections: 'Auto Logout' with a 'Wait After' spinner set to 10 minutes; 'Startup Screen' with a dropdown menu showing 'mt m - Matter Management' and a checked 'Enable Auto Startup' checkbox; and 'Change CASES Password' with instructions, three input fields for 'Old Password', 'New Password', and 'Confirm New Password', and a 'Change' button.

Figure 3

An example of one function from the administration menu is adding a new user to the system, the simple screen below is used to achieve this. The login ID is generated randomly to comply with an organisational standard (which can be varied). The screen auto populates all fields after the surname, once again to an organisational standard. The simplicity of the screen hides all complexities including allocating the user a practice, creating accounts in the SQL server and IDMS (document management) server and much more.

Add new cases user

Save Undo Screen Help

Add new user to CASES

Login ID: ☒ Generate

Password:

Surname:

Given Name:

Full Name:

Short Name:

Email:

Assign Pos:

Security Access	
<input type="checkbox"/>	Information Technology & Systems Branch
<input type="checkbox"/>	Keyboard Staff
<input type="checkbox"/>	Legal Officers (Sols and Legal Clerks)
<input checked="" type="checkbox"/>	Matter Entry Access
<input checked="" type="checkbox"/>	Management
<input type="checkbox"/>	Records Management Staff
<input type="checkbox"/>	Rostering Users

Special Access Privileged User

Figure 4

The workflow administration screens are described in the document CASES Workflow definition, the security administration screens are described in the document CASES Security.

Another example of a system administration function is the definition and structure of the system menus, this allows the system administrator to redefine the layout and grouping of business functions and assign shortcut codes for them. The screens used for defining the short codes for business functions and for placing those codes on menus and sub menus are shown in **Figure 5** and **Figure 6** below.

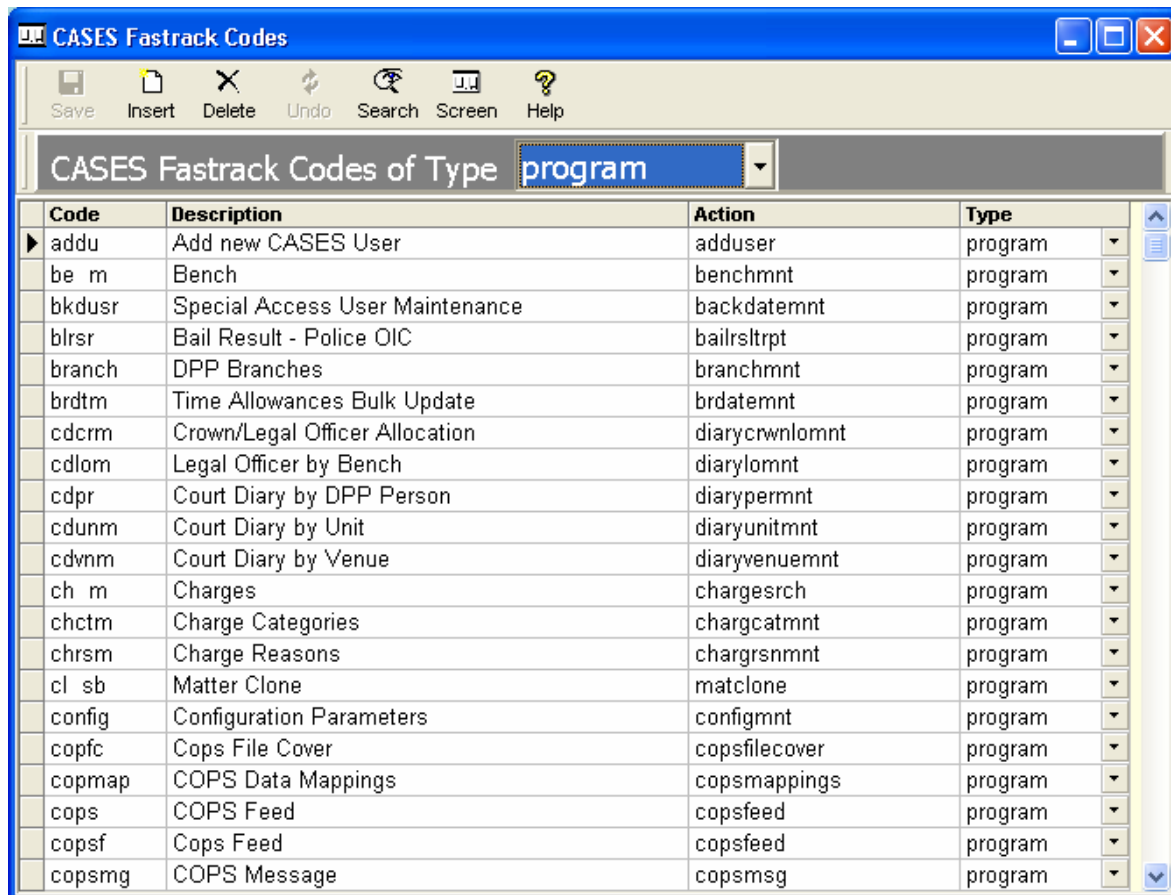


Figure 5

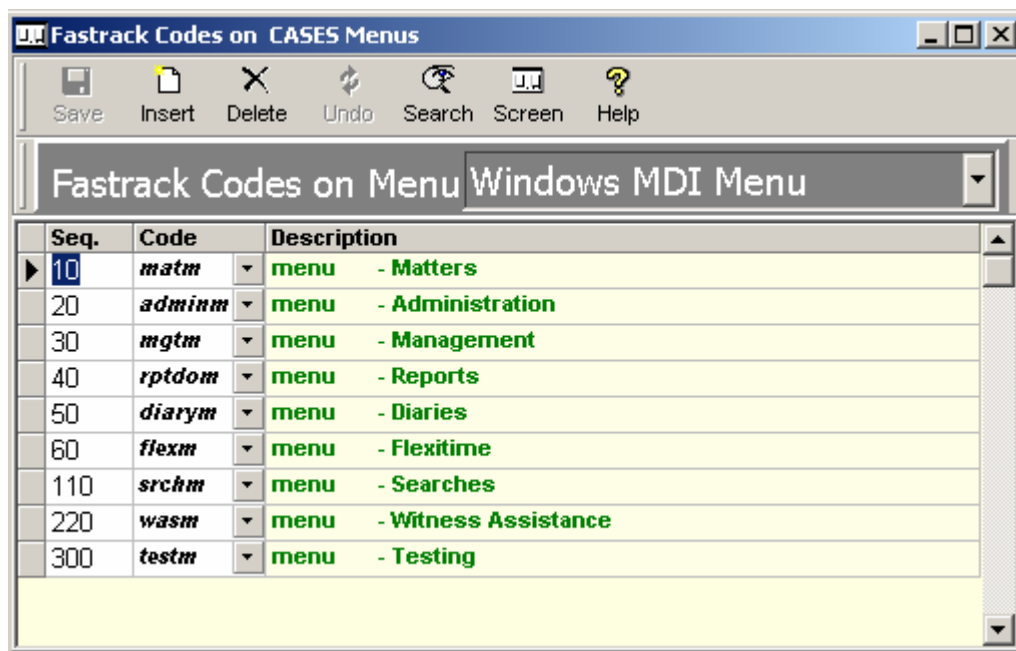


Figure 6

19.3. TABLE OF ADMINISTRATIVE FUNCTIONS

The table below provides brief descriptions of some of the system administration functions available to the system administrator and delegates, it is illustrative and not the complete set.

<u>Menu</u>	<u>Code</u>	<u>Program</u>	<u>Description</u>
adminm	Envir	Environment Setting	Allows user to personalise their settings to reduce the timeout to less than the standard 10 min and select their startup screen.
copsm	copmap	COPS Data Mappings	Maps COPS titles to CASES titles
court m	be m	Bench	Maintain list of judges/mags
court m	ctlvm	Court Levels	Maintain court levels eg district local etc
court m	ctrgrm	Court Region Maintenance	Maintain administrative regions eg syd, syd west etc
court m	ctrmm	Court Rooms	Maintain court rooms for a given court
court m	ctvnm	Court Venues	For ODPP office and court level possible venues are maintained
court m	ld m	DPP Centres	Maintains which centres are in which regions and time allowance set for the centre
eventm	brdtm	Bulk Update Of Time Allowances	Maintain set time allowances for specified task
eventm	ev m	Events	Maintain valid events in starting event type and list the tasks associated with the event, time limits and control of event
eventm	evsti	Check Possible Events	Maintain which events possible in which states
eventm	lrst	Results restrict by matter state/listing	Maintain result codes disallowed for a given matter state and listing combination
eventm	lrst1	Results where date start/end compulsory	Maintain listing results which require a start and end date
eventm	ltsti	Check Possible Listing Types	Check of possible states for listing type
eventm	medflt	Matter Entry Default Events	Maintain startup state and event and whether default date is today and if it is required
eventm	mplkm	State Transitions	Maintain linkages between prior matter state, events and current matter state and matter type and future states
eventm	mr m	Matter Reporting States	Maintain matter reporting states used for generating stats and whether included in workload
eventm	ms m	Matter States	Maintain matter state and valid external events listing types/results/help for a given matter type and reporting state
eventm	mttym	Matter Types	Maintain matter types
eventm	tkabm	Task Absolution	Maintain event type and events which absolve tasks
eventm	tmovm	Time Allowance Overrides	Maintain task time allowance overrides by charge category
eventm	ts m	Time Allowances	Maintain time allowance sets
flxadm	branch	DPP Branches	Maintain list of branches
flxadm	flxadj	FLEX Adjustment Codes	Maintain list of flex adjustment codes
flxadm	flxcal	FLEX Calendar	Maintain list of flex periods and public holidays
flxadm	flxtcd	FLEX Task Codes	Maintain list of task codes to be used to assign to to with the day.
flxadm	flxusr	FLEX User Maintenance	Maintain flex user, supervisor, number of hours and whether the user works a seven day week.
flxadm	sect	DPP Sections	Maintain list of valid sections
frtkm	ft m	Fastrack Codes	Maintains list of fastrack codes, description, action performed and whether it refers to a menu, program or needs to be given a parameter
frtkm	ftcdm	Fastrack Codes on Menus	Maintain which codes are on which menus
frtkm	ftstm	Default CASES Entry Point	Sets default entry point to CASES for a user

ftkrm	mn m	Fastrack Security	Assigns who has access to which menus and functions on those menus
orgnm	or m	Organisation Structure	Maintain organisation structure and position to person to practice links
orgnm	prusm	DPP Users	Maintain ODPP users, short name, long name, active/inactive and whether they are solicitors
orgnm	ru m	Reporting Units	Maintain groupings of units for the purposes of stats reporting
orgnm	uprc	User Practice Inquiry	Search a short name or practice and find out the other
setupm	chctm	Charge Categories	Maintain charge categories used for reporting
setupm	chrsm	Charge Reasons	Maintain list of reasons for activating/inactivating charges
setupm	lo m	Locations	Maintain ODPP offices, physical address and telephone number
setupm	mtszm	Matter Size	Maintain matter size categories, corresponding number of days allocated, and sequence they appear in list
setupm	plti	Police Officer Titles	Maintain list of CASES police officer titles
setupm	plunm	Police Units	Maintain list of CASES police unit, address and tel details
setupm	pntym	Penalty Types	Maintain penalty types ERROR Program not found
setupm	um m	Units of Measure	Maintain units of measure eg time is days ERROR Program not found
sysadm	addu	Add new CASES User	Used to add a user to CASES and creates the login in SQL and IDMS
sysadm	bkdusr	Back Dating User Maintenance	Maintain list of users with ability to backdate items usually restricted.
sysadm	config	Configuration Parameters	Maintain system parameter such as physical location of attachments directories, mail attachment, criminal histories etc
sysadm	usrto	User Timeout Maintenance	Maintain user timeout setting.

20. MENUS

20.1. FASTTRACK MENUS

The fasttrack menu system provides for the dynamic menu shown at the top of the application window. This menu is designed by the system administrator and can be modified on the fly. The menu options which appear are security and context sensitive, see the “CASES Administration” and “CASES Security” documents for how this is administered.

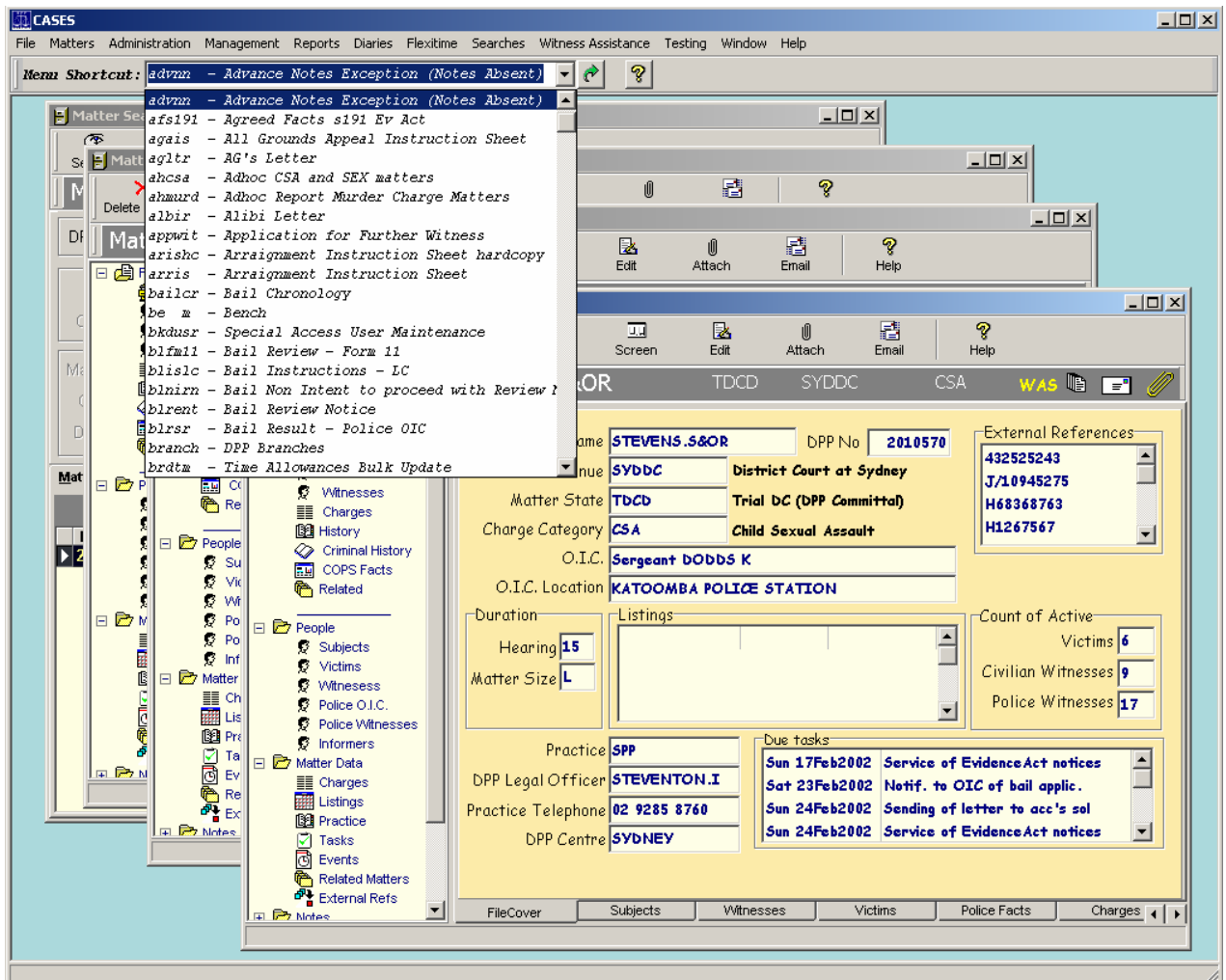


Figure 1

The illustration above shows how “fasttrack codes” can be used to navigate to specific business functions using the Menu Shortcut box, much like a URL in a browser. The code is automatically completed once it is unique ie to access “albir” above only “al” would have to be typed. Also codes can be selected from the alphabetically sorted dropdown as shown above, this allows users to quickly navigate to frequently used functions.

21. PERSONALITY FILES

CASES system configuration is controlled using “*personality files*”. These files can be simply exported and imported to impart a *flavour* to CASES for each implementation. This feature allows a site to make modifications to CASES and then provide the modifications to another site by simply emailing the personality file. This is particularly useful in the initial setup and the ongoing support of CASES.

This is best illustrated using a simple example modifying a label on a screen to remove the reference to ODPP. Screen Labels are amongst the simplest modifications that are controlled by system configuration. More complex features such as document management, Soundex searching etc. are modified in the same manner.

Firstly a system administrator can select to edit a field label as illustrated below. Note that this applies to most field labels, column headings and form titles throughout the system.

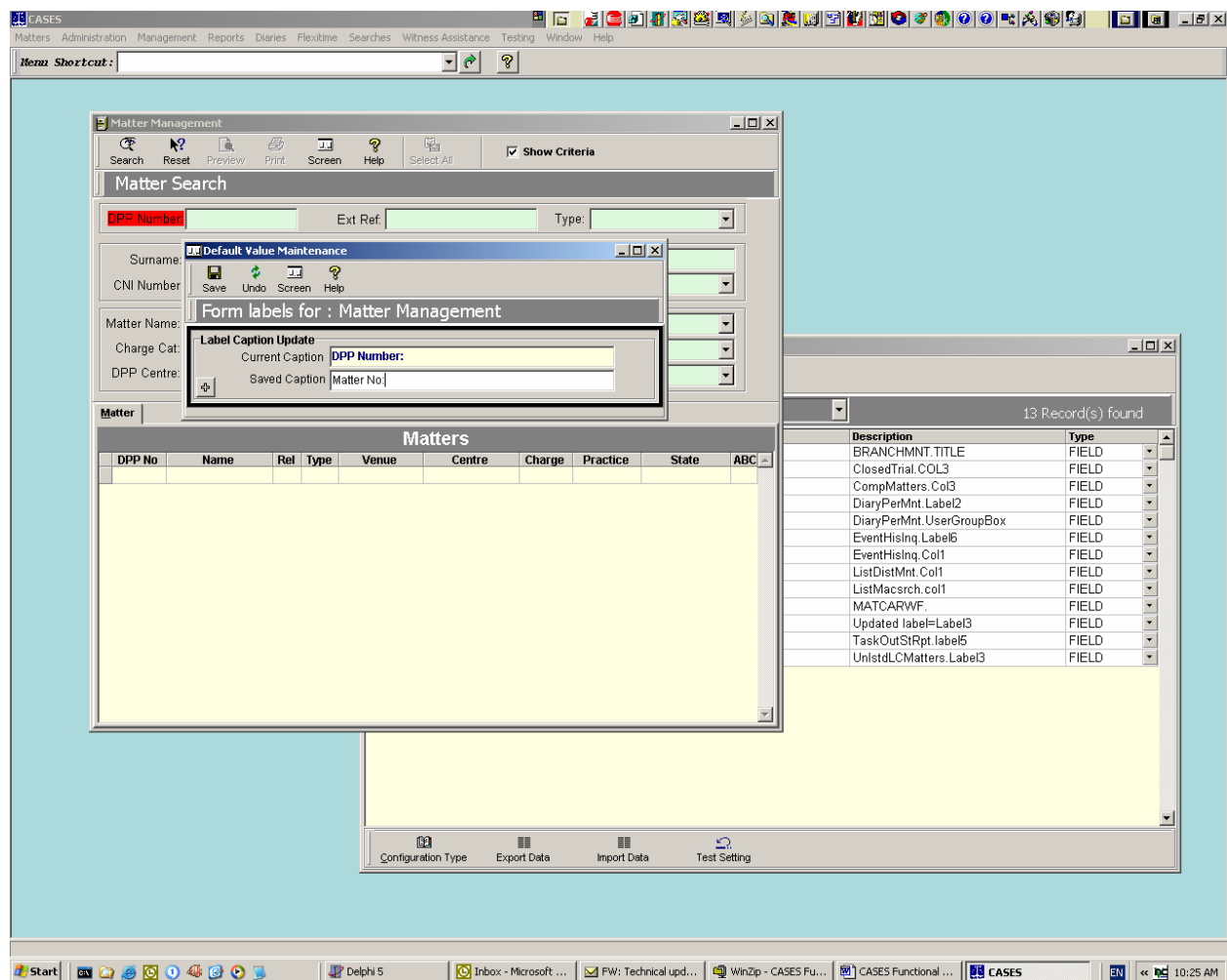


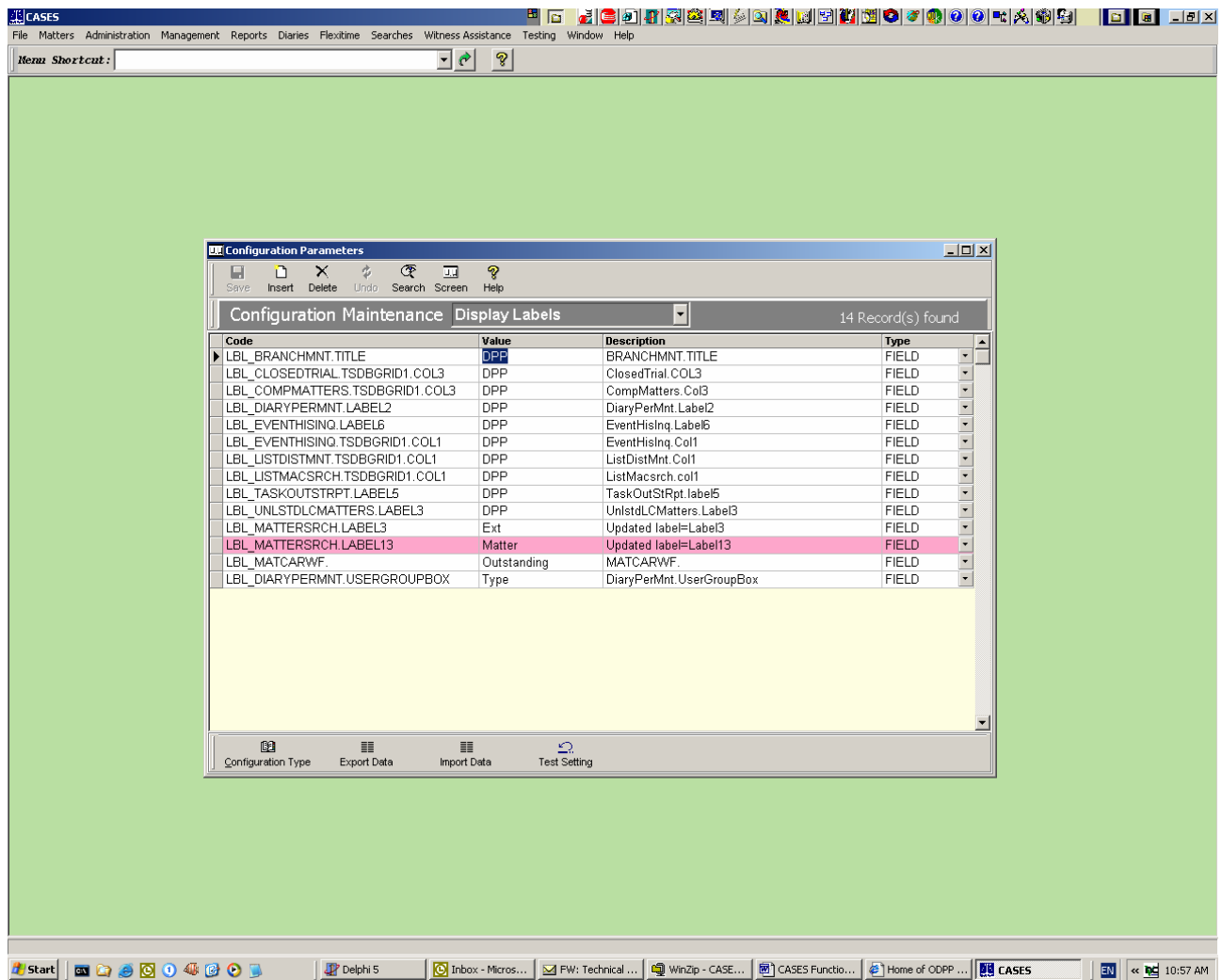
Figure 1 Updating screen label text

It is also possible to review all of the customizable labels for this form by expanding the popup using the button in the bottom left corner as below.



The information held in the system configuration can be exported to a “personality file”.

As the personality file is imported, the changed values are highlighted to the administrator.

**Figure 3 Personality file update mechanism**

22. AGENTS

Cases agents are autonomous software modules, which encapsulate an interface between CASES and other applications. An agent handles any external source of information provided to CASES as a feed. Also an agent handles any data fed to other systems from CASES. These agents are all based on an inheritable item from the class library, which includes various capabilities with minimal development effort. A typical task for an agent is to accept a data feed from another agency, parse, cleanse and upload this data into a quarantine area in a database for user-guided acceptance into the system. Such a feed is used to accept the overnight charges arriving from the NSW Police service into the CASES database. This data comes from an ADABAS database over an MQ Series feed and to the system users a screen appears which allows them to review and accept the charges with a few mouse clicks.

There are a number of existing agents some of which are described below.

eMailToFile Agent.	This allows files of known format to be mailed to a specified address. If the sender was an authorized user then the file is uploaded to a local folder (an example of this allows a remote agency to update an intranet web page)
eMail Agent.	This allows users to send email directly to CASES matters (if their address is authorized). Very useful for forwarding email relevant to the matter and "copying a matter in" to a correspondence.
MQSeries Agent.	This accepts data on an MQseries feed parses and uploads it into a quarantine area.
eBrief Agent	This accepts a feed containing an AES encrypted composite set of brief documents with an XML description file. The file is automatically decrypted, unzipped, the XML is parsed and the documents are then converted to a large composite PDF suite of documents.
CHRIS Agent	The CHRIS Agent can be used to monitor changes made in the CHRIS human resource system and propagate the changes to other business systems. An example of its use is to monitor approved employee leave applications and automatically update the CASES roster to show the person is not available and also to show a reminder on the users Flex sheet.
Microsoft Access Agent	This agent accepts can upload data from access databases into the system. An example of its use is to accept new and updated charge codes from the Judicial Commission and update the CASES tables accordingly.

This is not a complete list of the agents.

There are a number of class library implemented features, which can be plugged together in the construction of these agents:

- Email access using Microsoft Outlook or POP3 mailboxes.
- AES encryption/decryption.
- ZIP compression.
- XML parsing.
- MQ Series file and secure data transfer.
- PDF creation.
- CHRIS through Vision files and or MSSQL.
- SUN Financials (work in progress).
- Logging to screen and file. (logs can be automatically emailed to nominated users)
- Configuration settings through registry and INI file.

- Authentication and SQL access using Microsoft MDAC to databases.

The screen capture below, **Figure 1**, shows an agent which is collecting and sending and receiving messages to a server using FTP, for relay using MQ series messages. The icon indicates that an error has been encountered and the log file will be mailed to user “cdash” for action.

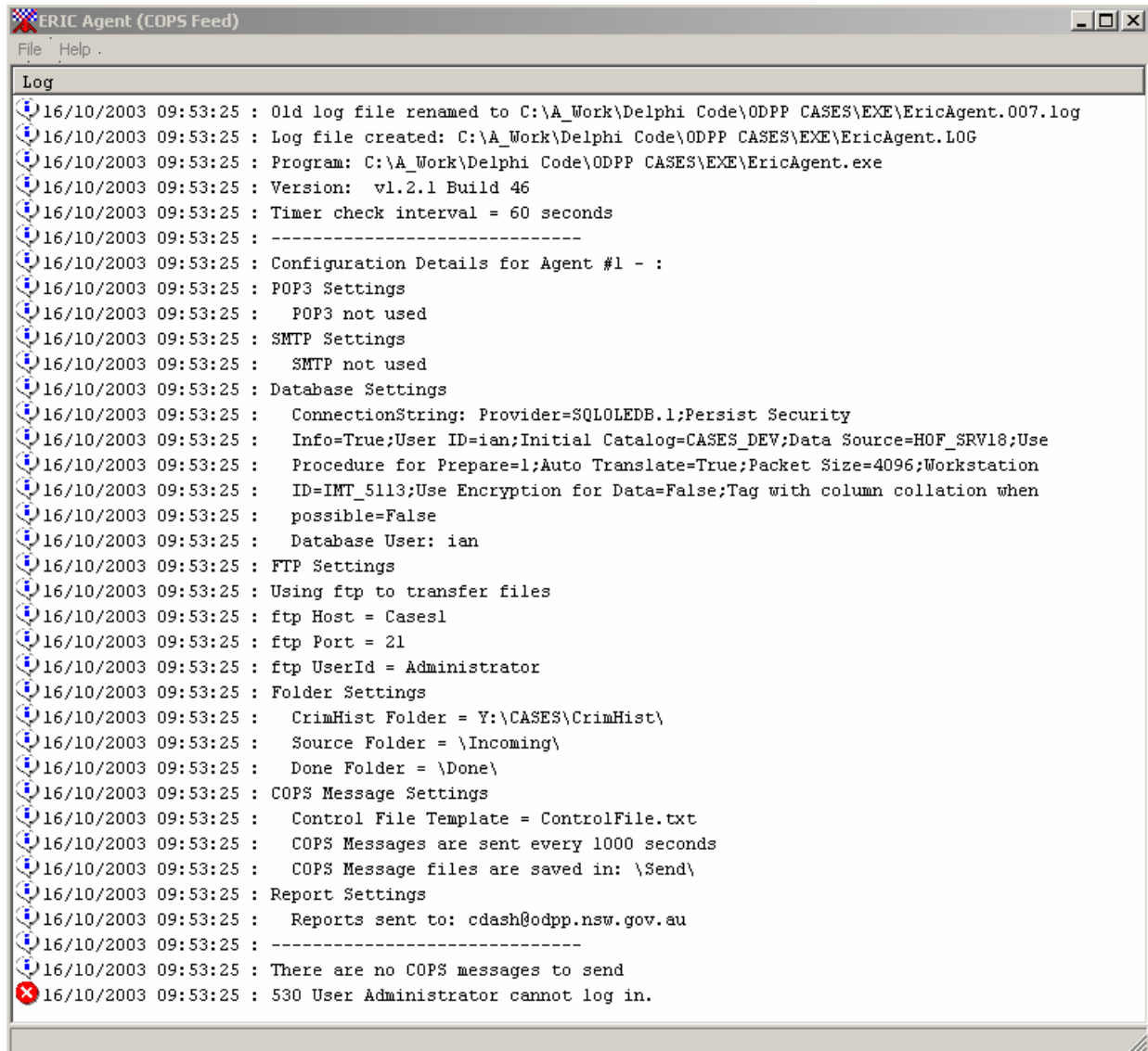


Figure 1

23. DATA MIGRATION

A suite of data migration tools has been developed for transferring data into CASES from legacy systems and allowing the bulk loading of data. An example shown below can be pointed to a network or local drive containing a structured hierarchy of user documents, this hierarchy is copied into the CASES document repository and metadata generated for the EDMS.

