

The screenshot shows a software window titled 'PBSIV' with a menu bar containing 'File', 'Log on', 'Edit Page', 'Search', 'Utilities', 'Go Back', and 'Navigate'. Below the menu bar are four icons labeled 'HYPERFACE', 'NAVIGATION', 'OPERATIONS', and 'REPORTS'. The main content area features the heading 'PBS Core Features For Law Enforcement Agencies' and a list of ten features, each preceded by a small 'q' icon. The list is enclosed in a rectangular box. At the bottom of the window, the text 'PARADIGM BUSINESS SYSTEMS NORTH AMERICA' is visible.

**PBS Core Features For Law Enforcement Agencies**

- q **Track assets of all types**
- q **Efficiently operate shops, garages, inventory & purchasing operations**
- q **Create proactive maintenance programs**
- q **Create meaningful fleet information and analyses**
- q **Make informed decisions regarding acquisition, operation & disposal**
- q **Track accident & incident information**
- q **Verify regulatory compliance**
- q **Ensure that fleet-related personnel are properly trained & assigned**
- q **Evaluate hazards & develop ways to mitigate the associated risks**
- q **Perform strategic planning and budgeting**
- q **Maintain an electronic file cabinet for all fleet-related documents**

PARADIGM BUSINESS SYSTEMS NORTH AMERICA

## **Product Overview**

PBS is an enterprise level business management tool. Its Windows based client server architecture supports a fully integrated environment including assets, personnel, work management, purchasing, inventory control, risk management, accident/incident reporting, document management and many other business processes.

PBS entities include Assets (Vehicles, Buildings, Equipment etc), Business Units, Departments, Documents, Job Designs, Personnel, Resource groups, Spare Parts, Stores and Vendors.

Multi-dimensional hierarchical modeling allows association of entities to reflect business relationships, assignment and ownership of equipment, job requirements, personnel and specific usage of equipment.

Within this framework, work processes gather and associate data to allow the end user to make informed decisions related to control of the business process of the company.

Although the power and benefits of PBS are applicable to any industry, certain customization has tailored the application to suit fleet, facilities and quartermaster store management for Law Enforcement agencies.

**Fleet, Asset and Equipment Management & Tracking**

PBS tracks any kind of equipment with no limit to the amount of information captured and analyzed for each item. Items can be rolling, non-rolling, fixed assets, personal issue items and equipment. PBS can track anything you need to track. This enterprise asset management system is designed specific features for different asset groups such as the maintenance management of fleets, plants and facilities.

Standard features include:

- Unlimited user-defined fields
- Data type validation
- Window and object level security
- Standard and custom reporting capability
- Depreciation
- Automatically apply monthly and yearly charges to assets for fixed overheads, insurance, car washes, licensing, etc.
- Two user-definable meters per asset (e.g. odometer and hour meter)
- Tire tracking
- Motor Pool management
- Fuel usage and tank level reconciliation
- Coding structure is fully integrated
- Asset Register change log
- Location History
- Usage History by Location
- Asset Condition inspection and reporting
- On line data for work summary by procedure code
- On line unit historical summary of costs, mileage and fuel
- On line summary for entire fleet by cost period

The screenshot shows the 'Asset Register' window for a specific asset. The main data fields include:

- UNIT #:** 001
- YMM:** 1998 FORD CROWN VICTORIA P71
- VEHICLE/AUTOMOBILE**
- Stock #:** 990101-00123
- VIN:** 2FAPF71V2VM135689
- License Plate:** PBSNA001

Additional information includes location (POLICE DEPARTMENT), area (HEADQUARTERS), department (CIB (HQ)), and address (15 HOLMES AVE). The 'Details' tab shows status (ACTIVE), usage (UNIFORM PATROL), fuel (UNLEADED), and category (MARKED VEHICLES). The 'DATES' section shows delivery (13-MAR-98) and in-service (11-AUG-98) dates. The 'PURCHASING' section shows ownership (Own), vendor (BRANVIEW FORD), and batch number (3360-00).

**Entity Structures**

Organizations are constantly changing. The ability of business systems to adapt to these changes is essential. PBS allows users with the appropriate security access to completely reconfigure their business structure simply with a "click and drag" of the mouse through the Entity Structure system.

The Entity Structure system also allows users to:

- Create "parent-child" (hierarchical) relationships between entities. For example, an aerial boom on a cab and chassis. Each would be a separate asset number, tracked individually, but linked together for reporting and costing purposes through the Entity Structure system.
- Track location changes within the entity structure creating a movement record with date and movement reason.
- Easily rollup asset costs to departments for reporting.

The screenshot shows the 'Entity Structures' window with a tree view of the organizational hierarchy. The structure is as follows:

- CITY (BUSINESS UNIT)
  - BUILDING SERVICES (BUSINESS UNIT)
  - FIRE SERVICES (BUSINESS UNIT)
  - POLICE DEPARTMENT (BUSINESS UNIT)
    - 1 DISTRICT (AREA)
    - 2 DISTRICT (AREA)
    - 3 DISTRICT (AREA)
    - 4 DISTRICT (AREA)
    - HEADQUARTERS (AREA)
      - ADMINISTRATION (HQ) (DEPARTMENT)
        - CIB (HQ) (DEPARTMENT)
          - 001 (ASSET) - VIN: 2FAPF71V2, Licence Plat: PBSNA001, 1998 FORD CROWN VICTORIA P71
          - 002 (ASSET) - VIN: 1FALPS2U0A, Licence Plat: PBSNA02, 1997 FORD TAURUS
        - COURTS (HQ) (DEPARTMENT)
        - FLEET (HQ) (DEPARTMENT)
        - MOTOR POOL (HQ) (DEPARTMENT)
        - PROFESSIONAL STAFF (DEPARTMENT)
        - TRAINING (HQ) (DEPARTMENT)
        - UNIFORM (HQ) (DEPARTMENT)
        - TRANSPORTATION AND WORKS (BUSINESS UNIT)
        - WATER DEPARTMENT (BUSINESS UNIT)

**Fleet Maintenance & PM Scheduling**

- PBS handles all aspects of fleet maintenance and PM scheduling including
- Maintenance scheduling by days and/or meter readings
  - Automatic deployment of work orders
  - User definable deployment triggers
  - Individual or class PM management
  - Integrated inventory management
  - Component failure analysis
  - Productivity tracking
  - Warranty recovery
  - Pre-defined tasks for each job
  - Defect reporting which generate work orders
  - Scheduling seasonal work
  - Scheduling inspections
  - Inspection management and reporting
  - Labor recorded in timesheet format
  - Invoicing for maintenance done for other agencies
  - User-defined coding structure from designing your own coding structure to implementing use of the ATA codes
  - Any cost can be marked up

**Inventory & Purchasing Management**

PBS provides a comprehensive system with which to control all warehouses and inventory items (stock, spares, assemblies, rotables) including:

- Stock transfers between company stores, mobile units or personnel.
- Stocktaking with count sheets and one window to enter stock adjustments.
- Tracking the shelf life of inventory
- Purchasing card reconciliation
- Warranty
- Total purchased per vendors' open purchase orders
- Manages cost-effective reorder quantities (erq).
- Track vendors and complete history of purchases per vendor.
- Core charge tracking and recovery.
- Purchase orders have multiple status levels including approval
- Automation of taxes and/or markup of parts.

Business Unit	Company Store	Held	Avg \$	Issue Qty	ERO	Max. Qty	Reorder at	In Stock	Reserved
POLICE DEPARTMENT	00 GARAGE STORE	NO	0.00	0.0	0.0	0.0	0.0	0.0	0.0
--	01 DISTRICT 1	NO	0.00	0.0	0.0	0.0	0.0	0.0	0.0
--	02 DISTRICT 2	NO	0.00	0.0	0.0	0.0	0.0	0.0	0.0
--	03 DISTRICT 3	NO	0.00	0.0	0.0	0.0	0.0	0.0	0.0
--	04 DISTRICT 4	NO	0.00	0.0	0.0	0.0	0.0	0.0	0.0
--	05 POUND	NO	0.00	0.0	0.0	0.0	0.0	0.0	0.0
--	06 AUCTIONED VEHICLES	NO	0.00	0.0	0.0	0.0	0.0	0.0	0.0
--	07 LEASE RETURNS	NO	0.00	0.0	0.0	0.0	0.0	0.0	0.0
--	10 COMMERCIAL PURCHASE	NO	0.00	0.0	0.0	0.0	0.0	0.0	0.0

**Quartermasters Stores**

Records and manages police equipment and clothing assets that are in inventory, issued or returned.

- Manages inventory levels of clothing and equipment for multiple sites and stores.
- Tracks all clothing and equipment issued to officers and personnel
- New cadet kits assembled to standardize initial clothing and equipment issues.
- Tracks serial numbers and equipment warranties.
- Tracks the life expectancy of the equipment.
- Tracks all returns on issued items by officer.
- Tracks each officer's order history and sizes.
- Validates against personnel clothing allowances.

Requested Item	Supplied Item	Req Qty	Issued	Requested	Ledger	Cost Center	Sizes	Item	Stock	COLLAR	SHIRT SIZE	COLOR
SHIRT - MENS - L/S - BLUE 16 33		2.0	2.0		PA20300 : OFI	FLEET MANAGE	None Selected		0	16	33	
BODY ARMOUR XXL - BLACK		1.0			PA20300 : OFI	FLEET MANAGE	None Selected		0	FIT (S,M,L)		BLACK

**Motor Pool Management**

- Reservations can be real time or scheduled any time in the future
- Automatically validates vehicle availability for new reservation
- User defined charge rate options include rental rates, fuel charges, mileage, incidentals such as toll road transponder, cell phone
- Charge back for vehicle usage
- Motor Pool usage can be included in departmental mileage reporting

**Tire Tracking**

Tire tracking system records:

- Vehicle assignment
- Location on vehicle
- Tire usage (total mileage)
- Usage by vehicle (mileage on each vehicle)
- Retread information
- User definable tire specific parameter history

**Warranty Tracking**

Full warranty tracking is available for all assets and parts.

- Automatic real time warranty checking is performed on each work order
- Start date options for vehicles include delivery date, in-service date or user-defined date
- Parts warranty include date and meter trigger capability

**Part Tracking**

Tracking of specific parts is available for all assets and parts

- Real time summary of flagged parts shown on each work order
- Service life (meter and date) shown for each part

**Personnel, Skills & Training Management**

PBS provides an effective method to properly prioritize, administer and comply with an organization's skills and training responsibilities as well as ensure compliance with all safety regulations and certifications.

**Electronic Document Management**

With PBS, important documents are only a mouse click away. Any document, in any format can be linked-in and retrieved from any-where on your network or Intranet. Scan a title or registration and link it to the unit's master record. Scan the paperwork from an outside maintenance vendor and link it to the unit's maintenance records.

**Accident & Incident Management**

PBS has a user-definable accident/incident tracking system that includes:

- Ability to track accident/incident by equipment or personnel
- Associate costs by integration with work orders
- Record and report on injury statistics
- User-defined codes with unlimited mandatory or optional questions or data fields.
- Includes narrative report-taking

**Risk Management**

Fleet operations face an ever-increasing demand regarding environmental, safety, and regulatory compliance. PBS integrates safety; environmental and all other potential hazards into a framework that analyze associated risks. PBS can assist development of action items that reduce these risks and ensure regulatory compliance.

**Fleet Booking Form**

RESERVATION # 58153

Name: 124C : JOHNNY GEC Department: UNIFORM (1)  
 Badge #: 124C Platoon: UNIFORM 1 Approved By: SC  
 Licence #: Ledger: PERSONNEL  
 Contact #: Cost Center: FLEET MANAGEMENT  
 Instructions: FLEET BOOKING

PICK UP from: NO VALUE VEHICLE: 001  
 On: 2-MAR-01 (Fri) At: 8:00 AM Year-Make-Model: 1998 FORD CROWN VICTORIA P71  
 RETURN to: NO VALUE Class: AUTOMOBILE  
 On: 10-MAR-01 (Sat) At: 5:00 PM Licence Plate: PBSNA001 VIN: 2FAPP71W2WY135689  
 Remarks: Odometer Out: In:

Type	Item	Description	QTY	\$/Unit	Code	Total
RESOURCE	MOTOR POOL RENTAL	001	9.0	\$40.00	NO VALUE	\$360.00

Read Only

**Fleet Booking Form**

RESERVATION # 58153

Name: 124C : JOHNNY GEC Department: UNIFORM (1)  
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 RETURN to: NO VALUE Class: AUTOMOBILE  
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 Remarks: Odometer Out: In:

Type	Item	Description	QTY	\$/Unit	Code	Total
RESOURCE	MOTOR POOL RENTAL	001	9.0	\$40.00	NO VALUE	\$360.00

Read Only

## Hyperface™

Hyperface is a customized graphical front-end that lets users access the power of PBS in a whole new and powerful way

- Reduces learning curve
- Documents work flow processes
- Work process related navigational aid
- Easily modified.

## Reports

With our powerful reporting systems at your fingertips, detailed reports and analyses are but a few short keystrokes away. You can use the built-in report writer to build simple asset listings or complex fleet analyses.

Reporting features include:

- Crystal Reports™ - the industry-standard report writer.
- All data input available for reporting.
- Internal report and query writer is user-definable.
- Industry standard reports are included.
- Charge backs and invoicing is user-defined.

## System Integration

Seamless integration for data collection with

- Automated fueling systems
- Credit card charges
- Leasing companies

Data export to third party applications.

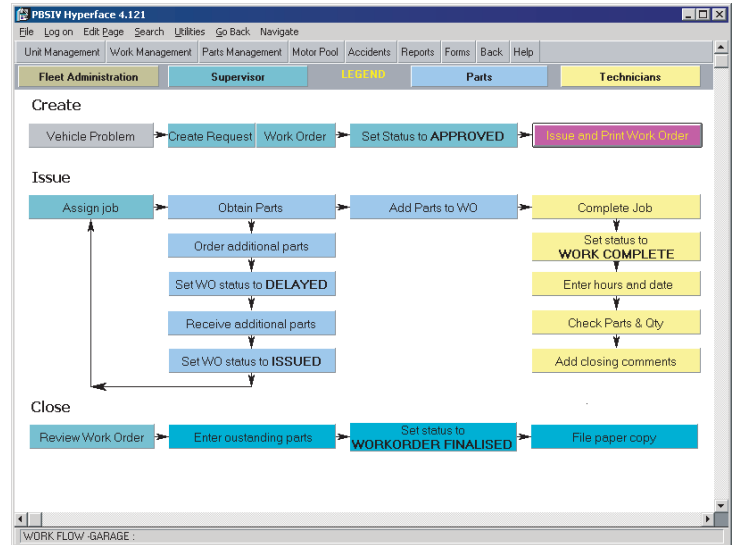
- Work order details exported to MS Project
- Financial system batch or real time interface.

Some system integration tasks may require additional programming to meet specific client needs.

## Technical

PBS employs multi-tiered client/server architecture for optimal performance and management control. It can operate in either two-tiered "thick" or three-tiered "thin" client configuration. PBS can seamlessly scale from a stand-alone system all the way up to a large WAN or Intranet-based system with multiple sites and hundreds of users. Supported client operating systems include Windows 2000, Windows NT, Windows 98, Windows 95, Windows 3.1, Macintosh and OS/2. PBS supports industry-standard SQL databases, including Oracle and Microsoft SQL Server.

- Audit trail information includes signature and date stamping of all records.
- Status change logs for work orders and purchase orders are available.
- Asset Register log tracks all changes to the asset register.
- Web-enabled solutions provided through Citrix or Microsoft Terminal server.
- All tables updated online are in real time.



### **Hardware Specifications**

- Minimum Workstation Hardware Requirements - 486 or greater, 16 MB RAM, CD-ROM, VGA Monitor, 100 MB free HDD space, network connection
- Recommended Workstation Hardware Requirements - Pentium CPU or greater, 32 MB RAM or greater, CD-ROM, VGA Monitor (800x600), 200 MB free HDD space, 10 MB or greater network connection
- Workstation Operating Systems - Windows 95, 98, 2000 or NT Workstation
- Application Server Operating System - Windows NT
- Supported Databases - Oracle (v7.x or 8.x.x) and Microsoft SQL Server (v6.5 or 7.x)
- Network Transport Protocol - TCP/IP

Please note these are the minimum requirements to run PBS. Obviously the more power, the faster the system will run.

### **Security & Administration**

PBS includes a robust security system giving individual users or user groups access to specific areas of, and resources within, PBS.

- Security control extends to field or object level.
- System administrator can customize PBS so each user sees and interacts with only those screens and fields required for efficient completion of their job.
- Visibility options for restricted fields include disabled (grayed out) or completely hidden.

### **Change Management**

PBS includes a change management system that automatically deploys updates across the entire network. This feature ensures that all users are running the correct version of PBS. It also makes deployment of future upgrades and enhancements a fast, safe and efficient process.

### **Implementation**

There are usually additional costs associated with:

- Data imports or conversions
- Setup system to address workflow, procedures or any other agency specific issues.
- Installation and Deployment
- User and Administrator Training
- Ongoing support and upgrades