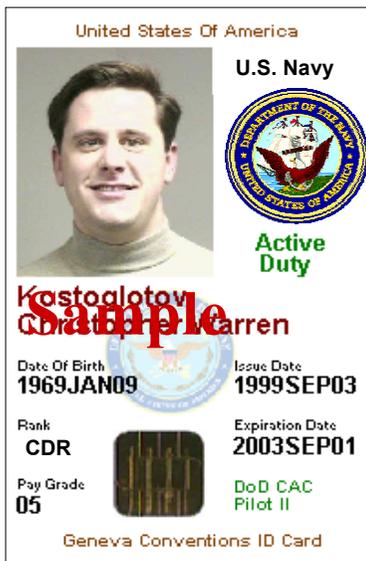


COMMON ACCESS CARD Food Service

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Navy Common Access Card Program Manager
130 West Avenue
Suite D
Pensacola, FL 32508-5162
Phone: (850) 452-7705
Email: freedmad@spawar.navy.mil



Smart Card FOODSERVICE

Army/Navy DITSCAP Certified
AER Certified

- * Stand-alone or Networked Connectivity
- * Smart Card Interface Automates Legacy System Data Entry
- * Single Smart Card Application Configurable to any Branch of Service
- * Dining Facility and Station Identification
- * Recognized Meal Entitlements
- * Quick View of Current or Previous Meal Headcount Data
- * Process SIK/RIK or Payroll Deductible A-La-Carte/Non-A-La-Carte Meals
- * Stipulate Holiday Meal Dates

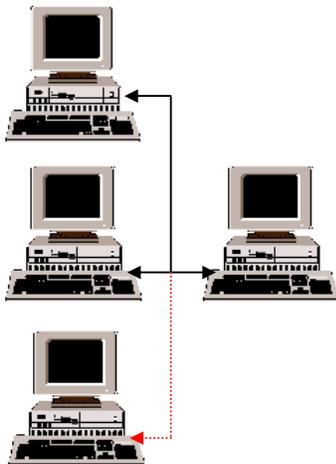
- * Empower Application Operators or Managers
- * Create Meal Plans and Pricing
- * Direct Beginning and Ending Meal Times
- * Specify Underway Dates
- * Process General Mess (Ashore/Afloat), Navy Wardroom (Afloat), Group or Sponsored Meals
- * Export Current or Archived Headcount Data
- * Manage Diners' Records
- * Database Maintenance Functions
- * Track Foreign Diners and Facilities



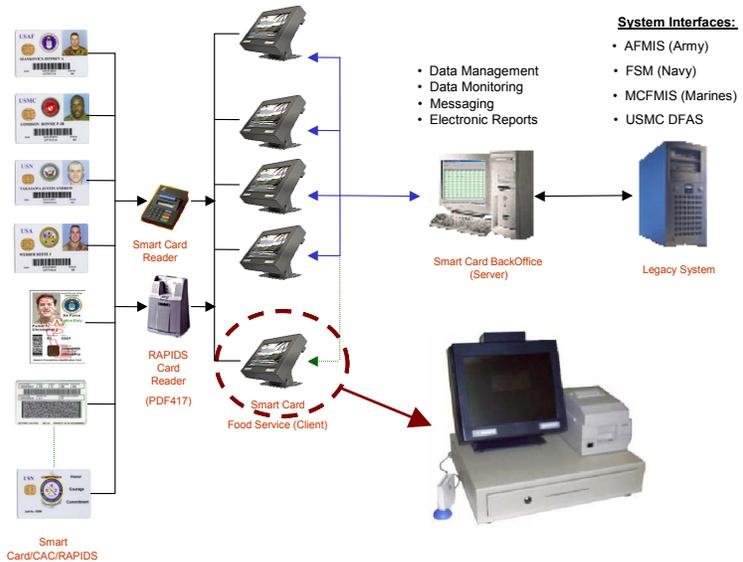
NETWORKING

Benefits of networking multiple stations:

- * 'Real time' transaction duplicate checking
- * Near 'real time' transaction monitoring
- * Messaging between stations and BackOffice
- * Automatic processing of redundant Manager and transaction functions
- * 'Real time' Date, Time, and Meal Planning (A-la-carte only) synchronization of all on-line stations
- * Virtual 'real time' graphing of time and transaction numbers



SMART CARD FOODSERVICE (NETWORKED)



Automation:

Data collection begins at each WorkStation. Data is then available for monitoring, reporting, or uploading to a legacy system. Provides for a 'paper-free' or 'near paper-free' environment.

Smart Card Foodservice is configurable to capture data on 21 types of personnel categories,

14 meal types, 3 meal entitlements, up to 20 workstations, and 1 central and 9 branch dining facilities. Produces Daily, Cash, Duplicate, Manager Meal Modifications, Voids, Overrides, and Verification reports.

LEGACY SYSTEM INTERFACES:

- ◆ AFMIS (Army)
- ◆ FSM (Navy)
- ◆ MCFMIS (Marines)
- ◆ USMC DFAS

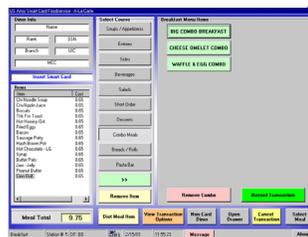
DATA MANAGEMENT

BackOffice Application

The BackOffice application provides an interface in the following areas based on a networked or non-networked connection:

- * Near "Real time" Transaction Monitoring
- * Critical Element Synchronization's Shared Data Management
- * BackOffice-to-Station Messaging, and vice-versa
- * Manager (FSO) control of critical data such as pricing, meal planning, etc.
- * Monitor Daily Totals
- * Prevent Duplicate SIK/RIK Transactions
- * Archive data from one or more Stations; produce reports on Cash Payment, Meal Verification, Recapitulation, etc. from current and archived data.
- * Auditing of Archived data

DATA FLOW: WORKSTATION & BACKOFFICE



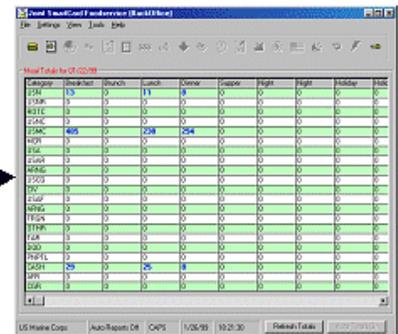
A-La-Carte Interface



Non-A-La-Carte Interface



Wardroom Interface



BackOffice Application

NETWORKED:

Data management is performed through the BackOffice interface. Data/Station monitoring is available. Data centralization and legacy interfaces are automatically performed.

STAND-ALONE:

Data management is performed on each station. Data centralization is performed through sneaker netting.

MEAL PROCESSING

Smart Card Meal Processing

Meal processing generates an electronic headcount of each diner. A Smart Card is inserted into a card reader. The card is read and the information is stored in the application's database. Based on the application's selected configuration, the meal process can be as simple as inserting and removing a smart card, or as in depth as tracking cash transactions.

Accounting

The application supports the following types of accounting for Smart Card, Non-Smart Card or Group meal processing:

- * Cash Transactions
- * Credit Based
- * Payroll Deduction
- * Rations-In-Kind (RIK)
- * Basic-Allowance-Subsistence (BAS)
- * Basic-Allowance-Subsistence with-Surcharge (BAS/SC)
- * Basic-Allowance-Subsistence-Discounted (BAS/DS)
- * Subsistence-In-Kind (SIK)
- * Navy Wardroom (1046e)
- * Navy Wardroom (1046a)
- * Holiday Meals
- * Gain Day (International Date Line)

DINERS WITHOUT SMART CARDS & GROUP PROCESSING

The screenshot shows a software interface for meal processing. At the top, there are input fields for 'Name:' (containing 'Diner w/out Card'), 'SSN:', and 'Category:'. Below this is a 'Select Category' grid with buttons for various military and civilian categories. To the right is a 'Select Meal Entitlement' section with buttons for 'RIK', 'BAS', and 'BAS/SC'. Below that is a 'Select Number Of Diners' section with an 'Enter Number of Diners' input field. On the far right are several action buttons: 'Accept' (green), 'Cancel' (yellow), 'Next Card' (purple), 'Quit' (red), and 'Online Help' (orange). At the bottom, a 'Selection Status' section displays: 'Category: US Navy', 'Meal Entitlement: Not Selected!', 'Number Of Diners: Not Selected!', 'Meal Selection: Breakfast', and 'Meal Cost: 0.00'.

A Group Meal or Non-Smart Card meal process requires the manual entry of data associated with the attending diner. Diner specific data entered is reviewed at the bottom of the display screen and the meal is processed when accepted by the reviewer.

Diner information includes:

- * Select Category for Branch of Service
- * Name of Diner or Sponsor
- * Diner's Meal Entitlement
- * Diner's SSN
- * Sponsor Category

MEAL CLASSIFICATION

FoodService promotes standard interfaces for non-a-la Carte, a-la-carte, turnstile, credit and wardroom dining environments. Each application interface records, monitors, and reports transactions by the meal type and facility.

Non-A-La-Carte

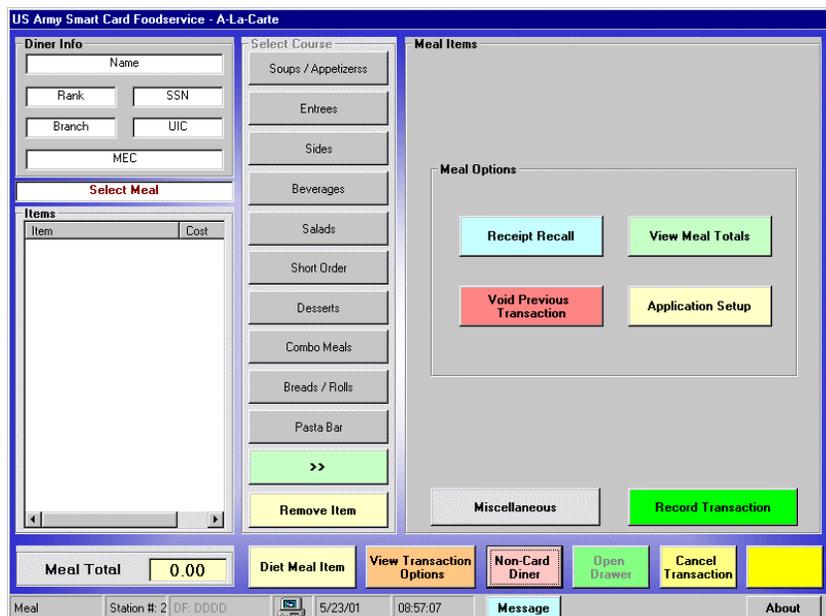
Non-A-La-Carte is the (whole) meal processing application used to generate an electronic transaction of all diners and all meal types at a specific facility. Non-A-La-Carte performs the meal processing. It is equipped to produce and export reports as well as provide the tools for changing meal requirements. Includes US Navy shipboard for Wardroom (1046) and General Mess transaction processing.

A-La-Carte

A-La-Carte is the (serve individual items) meal processing application used to generate an electronic transaction of all diners and all meal types at a specific facility. It is equipped to produce and export reports as well as provide the tools for changing meal requirements such as menu planning.



Non-A-La-Carte



A-La-Carte

MEAL CLASSIFICATION (CON'T)

Wardroom

The Navy Wardroom interface consists of two system applications as described below.

POS Application

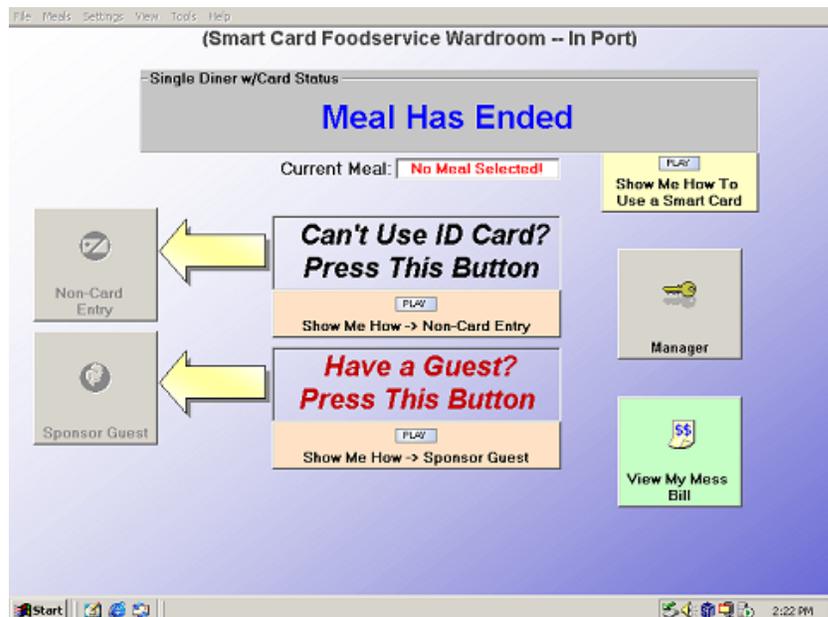
The Wardroom point-of-sale application tracks both individual meal sales while in port and for automatic underway membership meal population. **Automatic Underway Meal Population (AMP)** *literally* means that almost no data input is required while underway – even new riders added to the system are processed using AMP.

BackOffice Application

The BackOffice application provides an interface in the following areas based on a networked or non-networked connection:

- Near “Real time” Transaction Monitoring
- Manager (FSO) control of critical data such as pricing, membership record keeping, etc.
- Monitor Daily Totals
- Archive data from one or more Stations; produce reports on 1046e, Monthly Mess Bill, ‘Real time’ Individual Mess Bill, Cash Payment, Meal Verification, and Recapitulation from current and archived data.
- Auditing of Archived data

** See Wardroom Pamphlet for More Information.*



Wardroom

Smart Card Foodservice

FOREIGN DINER

(NOT OPERATIONAL WITH CAC)

Foreign Diner Setup

- * Tracks foreign diners by country
- * Selectable option during the initial installation of the application
- * Option available for change from within the application

Foodservice A-La-Carte or Non-A-La-Carte Application Setup Option

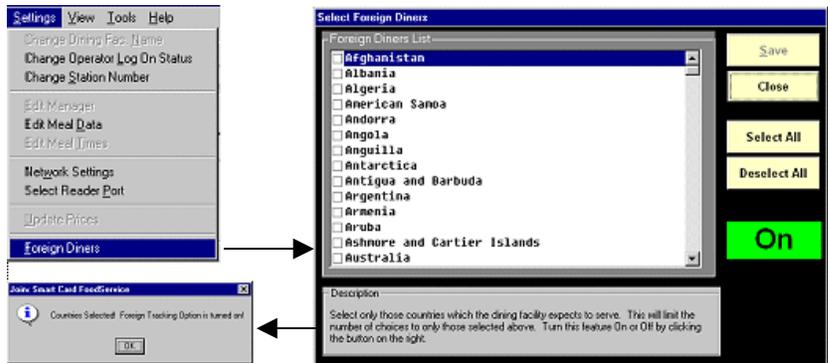
Enables the tracking of foreign diners by countries as selected by the Foodservice Manager.



Select countries, which the dining facility expects to serve



SELECTING COUNTRIES



Manager empowered users have access through the application's menu to enable or disable the Foreign Diner tracking. Selecting one or more countries expected to have serving dining facilities automatically enables the tracking feature. When no countries are selected, the tracking feature is automatically disabled.

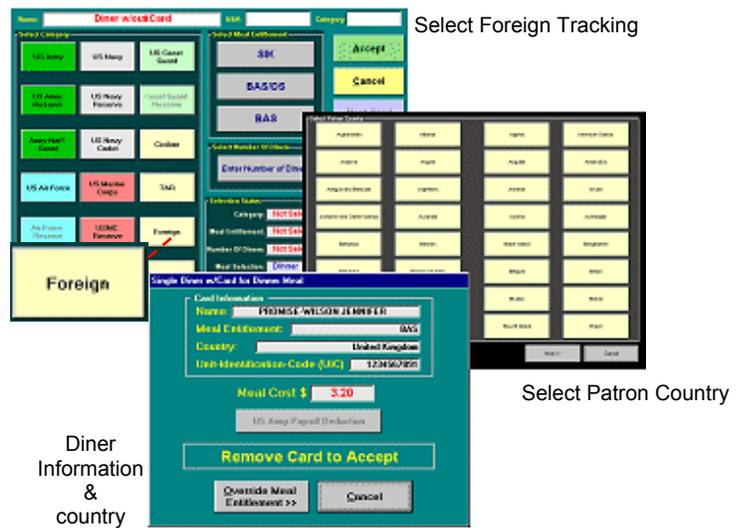
TRACKING PATRON'S FOREIGN COUNTRY

Foodservice BackOffice



Enables the tracking of foreign diners by countries selected by the FoodService Manager.

Select countries, which the dining facility expects to serve



REPORTS

Reporting Options

Foodservice offers numerous reporting options. Each report appears on a formal printable form for hard copy distributions and is dependent on the system configuration.

The reporting options include:

- * Meal totals
- * Previous headcount data
- * Meal edits
- * Foreign diner cash meals¹
- * Foreign meal verifications²
- * Transactions
- * Payroll deductions
- * Monthly Mess Bill
- * Individual Mess Bill
- * Meal totals
- * Cash meals
- * Credit meals³
- * Duplicate headcounts
- * Manager modifications
- * Overrides
- * Recaps
- * RIK/SIKs
- * Meal voids
- * Historical item tracking

Reports can be sorted by specific search criteria, including:

1. Diner Name or SSN
2. Country, Station, or Meal
3. Credits or Payroll Deductions
4. Meal modifications
5. And more....

1,2,3 – Supports Credit Interface Only.

REPORT FORMS

The collage displays five distinct report forms:

- Payroll Deduction Report:** A table with columns for Name, SSN, Station, Billing Period, and Amount. It lists various deduction items like 'UNEMPLOYMENT INSURANCE' and 'MEDICAL INSURANCE'.
- Recapitulation of Meal Report:** A detailed table with columns for Report Period, Station, Meal, and various counts (Total, Void, etc.). It provides a summary of meal transactions.
- Meal Verification Report:** A table with columns for Station, Meal, and various verification details. It lists specific meal items and their verification status.
- Manager Meal Modification Report:** A table with columns for Station, Meal, and modification details. It tracks changes made to meal records.
- Meal Credit Report:** A large table with columns for Station, Meal, and credit details. It provides a comprehensive view of meal credits.

PROTOTYPES/DEMOS

Smart Card – PKI Web Authenticated Access

An enhancement to FoodService is the FoodService Web Interface. This interface provides a remote access to the FoodService application services such as accounting, messaging, reports, and auditing.

Access to each functional area is controlled through the use of a Smart Card based PKI certificate and server based certificate matrix. The benefits of this enhancement include:

- * Access to page menu items is restricted to the permissions assigned to the end user.
- * Authenticating a user is performed by the utilization of Public Key Infrastructure (PKI).



- * A PKI certificate can reside on either the Smart Card or host computer.
- * Secure access to a Web Site through the deployment of technologies such as Smart Cards, SSL 3.0, and PKI.

FOODSERVICE WEB

Daily Totals Monitoring



Web Reports



Produces the same reports found in the FoodService BackOffice application.

FOODSERVICE TURNSTILE

Turnstile systems offer automated operator free meal processing. A diner's Smart Card would initiate the meal processing, once the transaction is accepted the turnstile is activated and indicator lights alert the diner to pass through the turnstile.

The Turnstile System:

- * Currently for RIK/SIK diners only
- * Manager restricted enabled/disabled feature
- * Selectable com port for turnstile connection
- * Manager Smart Card application lock/unlock *(No other type of transaction processing -Diner w/ out card, Group, etc. - is available)*
- * Automation of meals *Meals switch from breakfast to lunch, lunch to dinner, etc. based on the begin/end times directed by a Manager. The station automatically locks at the ending mealtime.*



Smart Card Foodservice

SPECIFICATIONS



BackOffice (Server Application)



Workstation (Client POS)

Personal Computer (Server)	Pentium 550 MHz or higher (300 minimum) 128 MB RAM (minimum) 6 GB HD 2 MB VRAM 3.5" Disk Drive Keyboard Mouse
Optional	NIC (10 Base minimum) when system is networked Printer Tape Backup Universal Power Supply, <i>highly recommended</i> – <i>backup duration dependent on operational requirements</i>
Monitor	17" Monitor @ 800x600 resolution (recommend 1024x768 resolution)
Smart Card Reader	GCR 400 & 410
SQL Server	Microsoft SQL Server v7.0 w/SP3 or better
Operating System	Microsoft 98, NT4.0 SP6 & 2000 Internet Explorer 5.5 w/SP1 or greater Adobe Acrobat Reader version 5.0 (included on the installation CD)
Databases	Microsoft Access, SQL Server 7.0 w/SP3
Card Services	MAXIMUS Cartographer

Point-of-Sale (POS)	Celeron 733 MHz or better 128 MB RAM 3 open Serial Ports (COM 4 dedicated to touch screen device, COM 3 dedicated to LCD Display-Army only) Video Port or USB Port Parallel Port (<i>for use w/optional receipt printer</i>) Floppy drive connection Keyboard connection Windows NT4.0 w/SP5 or higher Windows 2000 w/SP2 or higher Three (3) RJ-45 to 9 pin or 25-pin connectors 6.0 GB HD (minimum) 2 MB Video RAM (minimum) Video standard (800x600 resolution/65,536 colors)
Optional	Mintronix MP5000 (recommended or approved alternate touch-screen device) Mintronix Accessory: External USB Floppy Disk Drive – <i>required for non-networked environments</i> Universal Power Supply, <i>highly recommended</i> – <i>backup duration dependent on operational requirements</i> <u>Army/Navy/Marine Options:</u> Epson Receipt Printer (Model TM-U200B111) Cash Drawer for Epson RP (Model 225-200T04-89) Bar Code Scanner (Symbol PDF620) or HHP 44K2-S Mintronix LCD Customer Pole Display
Num Pad	Cherry External NumPad, Model G80-3700HQAUS (<i>w/PS-2 connector required for PIN input</i>)
Smart Card Reader	Gemplus GemPC 433 SL
Software	Microsoft Data Engine (MSDE) v1.0 w/SP3 + Internet Explorer 5.5 w/SP1 (Army Only)