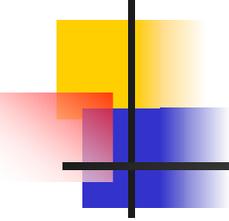


# Integrated Facilities System (IFS)

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## IFS PDA Labor & Equipment Application

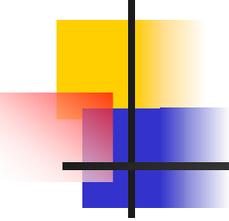




# IFS

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- The Integrated Facilities System (IFS) is a Department of the Army approved Standard Army Management Information System (STAMIS) that has supported the Department of Public Works (DPW) community since 1976.
- IFS addresses the DPW business functions of Real Property, Customer Service, Job Cost Accounting, Work Estimating, Supply and Contract Management.
- The Army Chief of Staff for Installation Management (ACSIM) is the proponent for the IFS system.

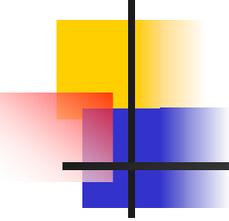


# The Task

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- Develop an application to be used on a PDA having a Pocket PC OS that will provide the craftsman the option of entering labor and equipment hours for a job versus using a screen in the system as they do today.





## How L & E hours are captured today

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- The way that each DPW functions can vary, but most sites have their workers capture L & E hours on paper reports. Hours are then taken from the reports and are manually entered into the IFS system through the L & E screen.



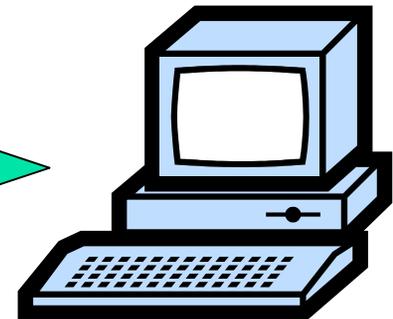
# How L & E hours will be captured using a PDA device

- The craftsman will enter L & E hours into the PDA while at the jobsite. After the craftsman returns to the office, the data will be synched to a client pc then the data will be uploaded to the server and processed.



# Application Design

- Develop oracle forms for selecting and downloading validation data to a PDA.
- Entering and storing data on the PDA.
- Transferring data from PDA to client.
- Transferring data from client to the server.



# Application Design continued

## Data selection form

**PDA Selection Screen - 333333333 001 PocketPC**

Employee Number:  Name:

Shop Code:

PDA Device Name:

Service Order | Work Phase | Preventive Maintenance | M & S Equipment | Work Status

Show open Service Orders less than  days old.   **Included in Profile**  
Open Service Orders less than  days old

Select Service Order

	Document Number	Short Job Desc	RPF Instl Abbrev	Facility Number	FHQ	Street Address	SO Priority
<input type="checkbox"/>	LEE AV 00018 4 R	sdfsdl					1
<input checked="" type="checkbox"/>	LEE FE 00008 4 R	testing					1
<input type="checkbox"/>	LEE FE 00009 4 R	ss					1
<input type="checkbox"/>	LEE FE 00011 4 R	ddd					1
<input checked="" type="checkbox"/>	LEE FH 00005 4 R	i need help	LEE	00003	B	B ALGIERS ROAD	2
<input type="checkbox"/>	LEE FH 00006 4 R	testing	LEE	00003	A	A ALGIERS ROAD	3
<input type="checkbox"/>	LEE FH 00030 4 R	testing	LEE	00006	1A	NORMANDY DRIVE	3
<input type="checkbox"/>	SCP09 FE 00028 4 R	tdac					1

Sort By:  Document Number  Service Order Priority  Facility Number

# Application Design continued

## PDA Data Entry Screens



Employee No

Shop Code

User Info Doc Job Info Fac Lab / Equip

List of Values

File Save View Record Help



\*\*\* Document Number Selection \*\*\*

Instl Abbr

Instl No

Cust ID

Serial No

FY

Doc Type

Ph Cd

Add / Subtract

Work Status

User Info Doc Job Info Fac Lab / Equip

List of Values

File Save View Record Help



# Application Design continued

## PDA Data Entry Screens

IFS PDA L & E 10:48 OK

Job Description

RPF Instl Abbr Facility No FHQ

Street Address

POC Name POC Phone

User Info Doc Job Info Fac Lab / Equip

List of Values

File Save View Record Help

IFS PDA L & E 10:49 OK

Preventive Maintenance Facility Selection

RPF Instl Abbr RPF Instl No Facility No

FHQ RPF Equip ID Partition No

Component Cd Task Cd Task Unit

User Info Doc Job Info Fac Lab / Equip

List of Values

File Save View Record Help

# Application Design continued

## PDA Data Entry Screens

IFS PDA L & E 10:49 ok

Labor	Code	Hours	Tenths
	<input type="text"/>	<input type="text"/>	<input type="text"/>

Work Date

Equipment	ID	Hours	Tenths
	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>

User Info | Doc | Job Info | Fac | Lab / Equip

List of Values

File Save View Record Help

IFS PDA L & E 10:50 ok

Employee No

Shop Code

User Info | Doc | Job Info | Fac | Lab / Equip

List of Values

Create LE File  
Exit

File Save View Record Help

# Application Design continued

## PDA Data Entry Screens



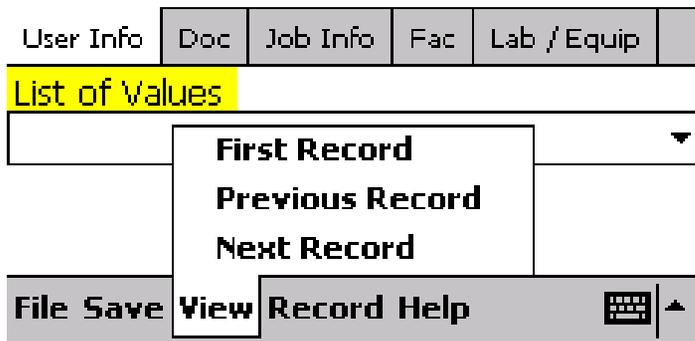
Employee No

Shop Code



Employee No

Shop Code



# Application Design continued

## PDA Data Entry Screens



Employee No

Shop Code

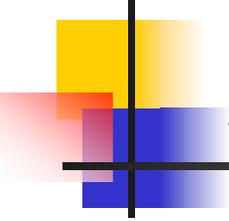


List of Values

About

File Save View Record Help

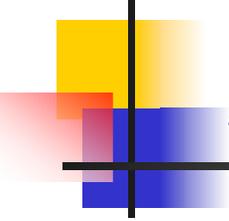




# Application Development

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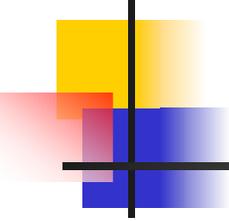
- Development tool used: Visual Basic .NET which is part of the Visual Studio .NET 2003 software suite.
- Target devices: PDA's having a Pocket PC 2003 OS.
- Devices Tested: Dell Axim X5, HP iPAQ h2200, Toshiba e750
- Means of transferring data: Microsoft ActiveSync v3.7



# Application Deployment

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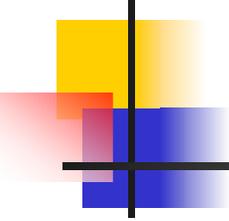
- Method of deployment.
- How the application is installed.



# Benefits

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- Craftsman can enter hours while at the job site and have this information transferred to the server at the end of the work day, thus automating the process of capturing Labor and Equipment hours for work conducted during the day.



# Conclusion

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- Questions and Answers Contact by email
  - [IFS@sdcl.lee.army.mil](mailto:IFS@sdcl.lee.army.mil)
- By phone (804) 734 1058 The Customer Assistance Office