

# PIC – Next Generation (PIC – NG)



**U.S. DEPARTMENT OF HOUSING AND URBAN  
DEVELOPMENT**

September 2016

# Rationale For Change

- PIC/IMS developed in 1999 – 2000
  - Developed on Windows NT, Windows XP wasn't released until October 2001
  - Requires developers with different skills than for PASS/NASS/EIV/VMS
- Accuracy of 50058 information
  - Approximately 1.3 million 50058 require resubmission each year
  - Significant time between data input and data validation
- Availability
  - 2016, 10 days below 80% availability, and PIC was only 96% available
- Integration with PHA applications
  - Custom/Different interfaces for 50058, inventory management
  - Difficult/Impossible to integrate PIC information into the PHA's application

# Vision

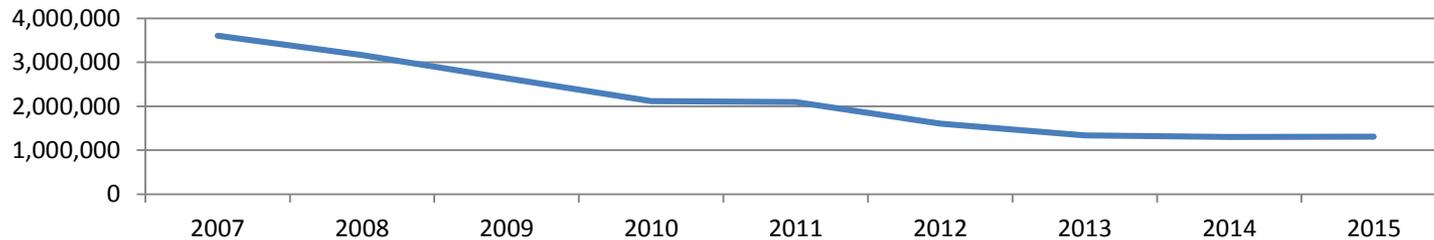
Create an enterprise ready G2B solution to :

- Improve the quality, availability, and delivery of information supporting HUD affordable housing programs
- Reduce administrative burden for PHA and HUD staff
- Provide HUD with an enterprise data collection solution for affordable housing information such as:
  - Section 8 and Low Rent Public Housing Tenant Information - 50058
  - New public housing developments
  - Demolition and Disposition of Public Housing properties
  - Inventory of Public Housing units and buildings
  - Operating Fund - 52722/23 (future)
  - Request for Tenancy Approval – 52517 (Future)
  - UPCS-V Physical Condition
  - Financial Statements, FDS

# PHA Submissions to PIC/IMS

Year	Total 50058 Forms Submitted	Total Fatal Errors	Total Warnings	% 50058 Forms with Fatal Error	% 50058 Forms with Warnings
2007	10,417,014	3,606,616	1,048,866	35%	10%
2008	9,759,365	3,160,684	871,756	32%	9%
2009	9,514,043	2,638,590	549,381	28%	6%
2010	9,421,047	2,114,538	812,347	22%	9%
2011	9,306,925	2,094,005	796,742	22%	9%
2012	9,280,068	1,602,990	619,064	17%	7%
2013	8,929,610	1,336,168	559,469	15%	6%
2014	8,974,355	1,301,845	471,221	15%	5%
2015	8,766,618	1,305,453	458,401	15%	5%

**Fatal Errors**



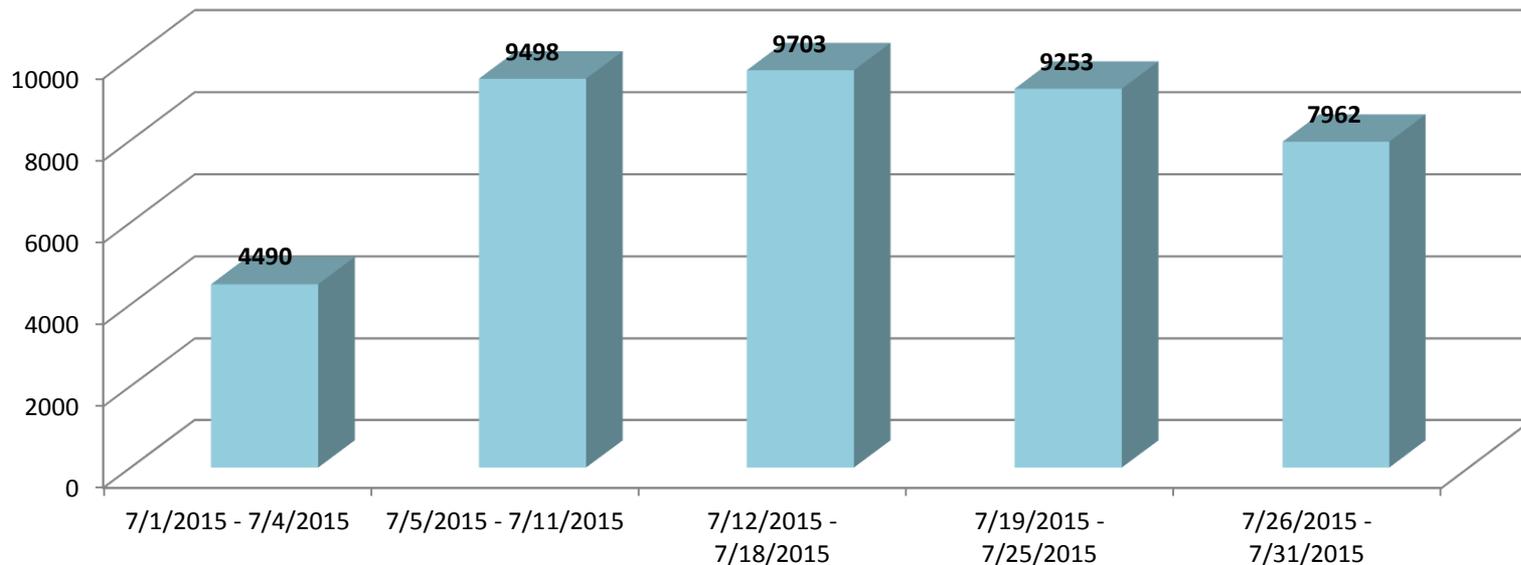
70% Section 8 – 30% Low Rent Public Housing

PHA's IT vendors efficiency has been a major factor in reducing fatal errors and warnings

# Who Uses PIC and How Often

PIC Users	Number of Active User Accounts
HUD Users (Includes HUD staff, Contractors and Super Users)	4,250
PHA Users	44,200

## Unique Logins



# PHA Issues with PIC/IMS

- PHAs interact with other parts of HUD and the US government
- Many PHAs use **multiple vendors** to run their properties, often due to mixed-finance
- Form 50058 error correction takes an average of 1 hr/error- costing approximately **1.3 million hrs/yr**
- Voiding records in PIC/IMS has a significant effect in the accounting portion of PHA software
- Not all tenants have a social security number
- Some **gaps exist** in the vendor software for PHA actions in PIC
- PHA applications may capture **information not transmitted** to PIC/IMS
  - Reasons for moving out
  - HUD form HUD-52517 Request for Tenancy Approval

# HUD Issues with PIC/IMS

- PIC/IMS application developed in 1999-2000
  - Does not conform to Enterprise Architecture standards
  - Costly to maintain, requires different developer skill set
- No enhancements to PIC since 2007
  - 300+ outstanding enhancements requests
- Burdensome to PHAs to provide accurate information
  - No validation of information prior to submission
  - Contract with vendors to support PIC/VMS input often required
  - Batched data along with fatal errors creates heavy administrative burden
  - Enter VMS data manually, 30 days behind schedule, and is duplicate data
- No system design flexibility to accommodate change
  - Program Funding
  - Rental Assistance Demonstration

# PIC-NG Approach

- **Stakeholder involvement**
  - More than 90% of PIC information comes from PHAs
- **Software development partnership between REAC and OCIO**
  - OCIO Infrastructure, Enterprise Architecture, and Information Security
  - REAC Federal software development team
  - Cloud application
  - Layered architecture to prevent vendor software lock in
- **Development methodology**
  - AGILE- Incremental software delivery with increasing functionality

# PIC-NG Progress

- **Outreach**

- Working with PHAs and their software vendors to ensure feedback on Web Service and transition needs
- Website for project status

- **Development Team**

- 17 of the 21 REAC-IT programmers needed have been hired
- Remaining developers being hired.

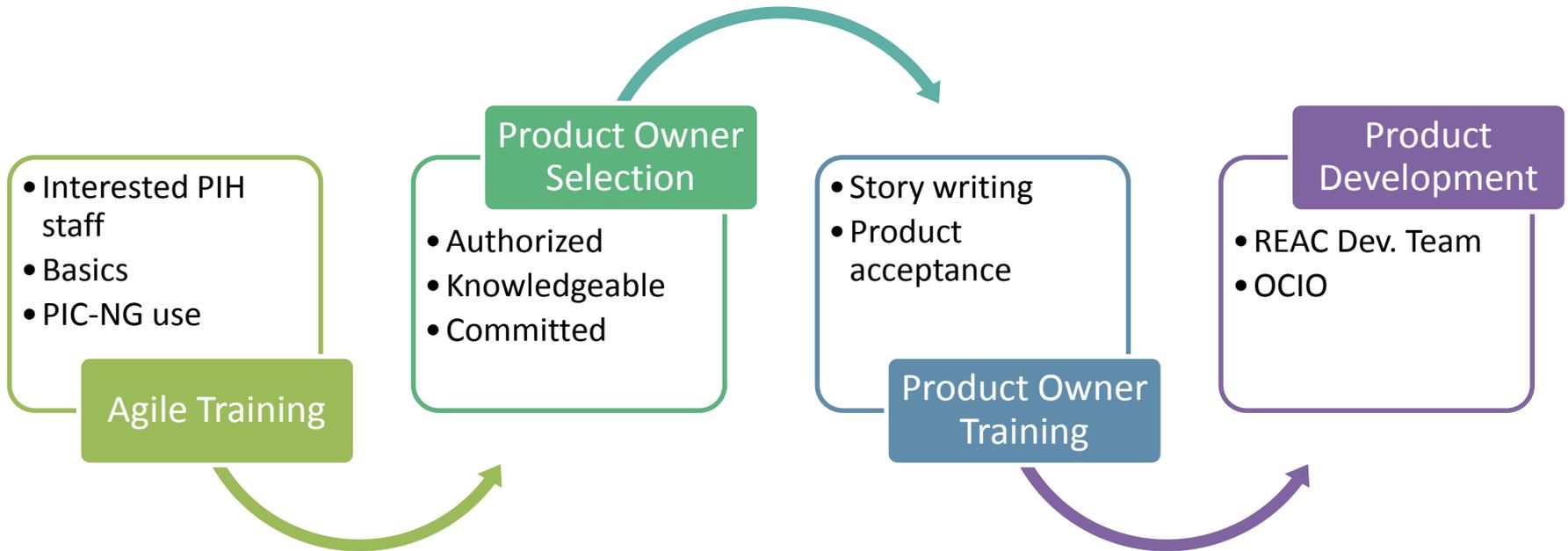
- **The Cloud and Infrastructure**

- OCIO have provided REAC-IT with a cloud-based environment
- REAC-IT and Enterprise Architecture team deploying and configuring the standard software platform

# How is Agile Different

Traditional- Waterfall	New and Improved- Agile
Extensive documentation of all foreseen requirements required before, during and after development	Minimal necessary documentation to create chunks of working software every 2 weeks
One-time business involvement to establish all requirements	Constant business involvement in requirements
Black-box development: Business does not see product until testing phase	Business sees incremental product development at the end of every sprint and provides feedback
Led by GTM, GTR	Led by product owner and stakeholders
Changes made after testing (if allowed)	Changes can be made after every sprint

# Business Users Drive PIC-NG Outcome



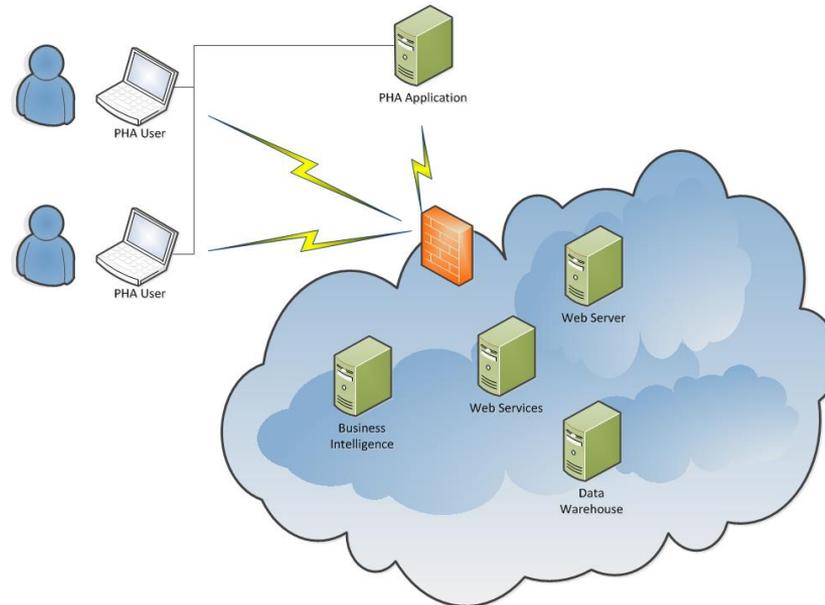
HUD and PHA Stakeholders are engaged throughout the development process to ensure that the end result meets current and future needs

# PIC-NG Solution

- Creates a common approach for PHAs submission of HUD required information
- No upload denial (no fatal edits) – Dramatically decreases PHA administrative burden
- Simplified user access, removes need to align PHA application security with PIC-NG application security
- PHA users work in their own systems and information is streamed to HUD
- Ease of data correction, removes PHA accounting issues
- PHA staff can focus on the mission of assisting tenants rather than trying to provide information to HUD
- PHAs are the single data source for tenant and physical inventory information

# PIC/IMS Current Data Submission

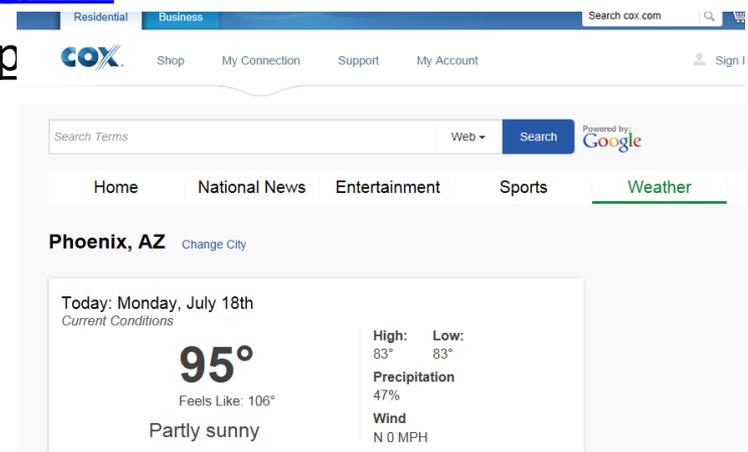
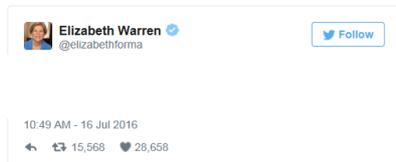
- Centralized application - all users have the same interface
- Difficult to integrated with PHAs existing applications
- Requires software vendors to develop custom interfaces



# PIC-NG Proposed Data Submission

- Share Business Rules with PHAs
- Integration with PHA vendor applications allow distributed applications
- Each PHA vendor software can have different interfaces based on their users specific role and needs
- Industry standard interfaces
  - Weather: <http://openweathermap.org/API>
  - Twitter: <https://dev.twitter.com/rest/p>

of them endorse.



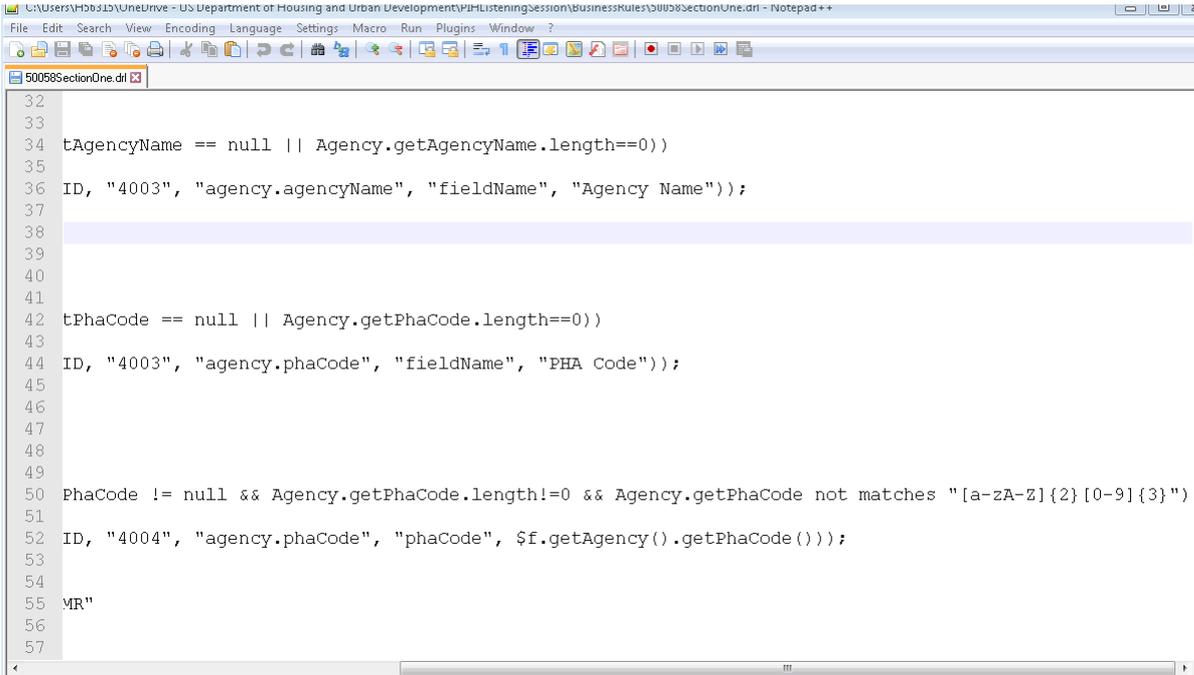
A screenshot of the COX website's weather page for Phoenix, AZ. The page features a navigation bar with 'Residential' and 'Business' tabs, and a search bar. Below the navigation, there are links for 'Home', 'National News', 'Entertainment', 'Sports', and 'Weather'. The weather section displays 'Today: Monday, July 18th' with 'Current Conditions' of 95° and 'Feels Like: 106°'. The weather is described as 'Partly sunny'. A table shows 'High: 83°' and 'Low: 83°', with 'Precipitation: 47%' and 'Wind: N 0 MPH'.

# PIC-NG Business Rules

**NAME:** PHA Code  
**DESCRIPTION:** Unique code assigned to the PHA by HUD  
**TYPE:** Alphanumeric  
**SIZE:** 5  
**COMMENTS:** Use postal state codes (exception for Islands) and Number HUD uses to recognize the PHA in that state. For Section 8, this PHA number must have active units.

**EDITS:**

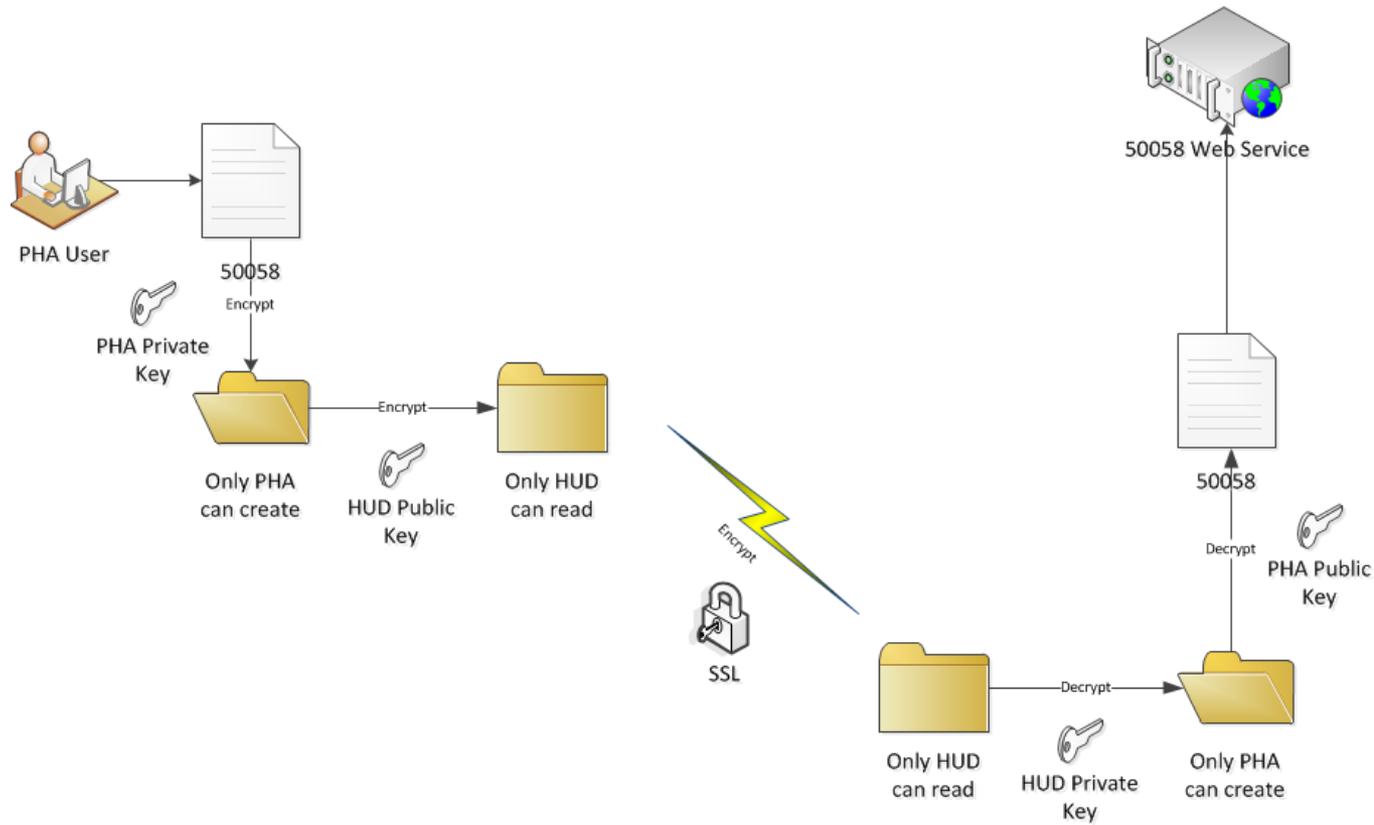
- Fatal: • Must be a valid 5 character PHA code that exists in PIC
- Fatal: • Must equal Owner/PHA Mailbox ID in the Header Record, or must equal a valid PHA code for which the PHA or vendor specified by Owner/PHA Mailbox in the Header Record is authorized by HUD to submit data
- Fatal: • Must equal a valid PHA code in PIC
- Fatal: • If 1c equals 'CE' or 'VO', must be the PHA code for a PHA that has active units



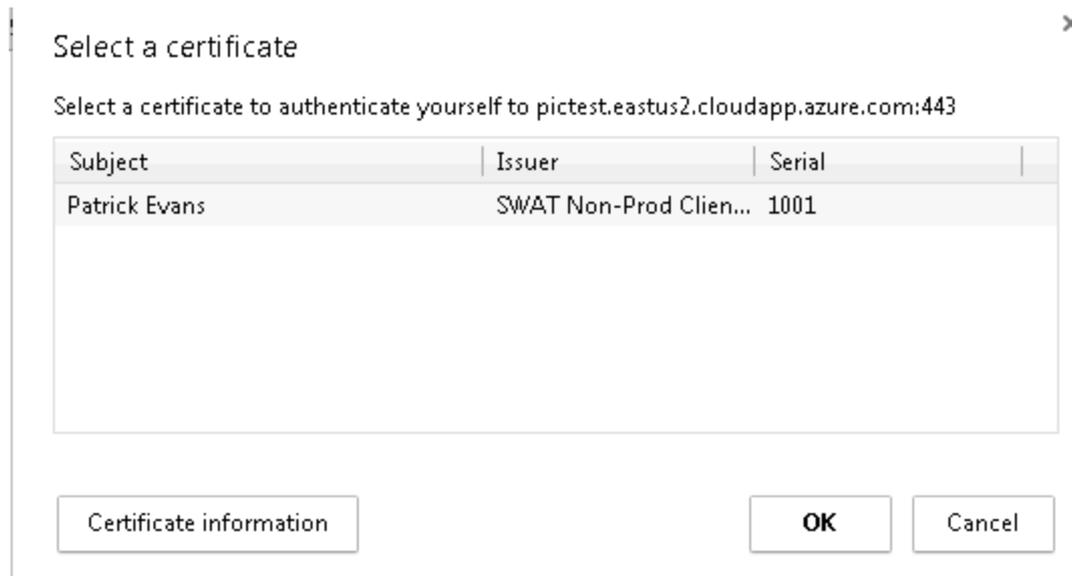
```
32
33
34 tAgencyName == null || Agency.getAgencyName.length==0))
35
36 ID, "4003", "agency.agencyName", "fieldName", "Agency Name"));
37
38
39
40
41
42 tPhaCode == null || Agency.getPhaCode.length==0))
43
44 ID, "4003", "agency.phaCode", "fieldName", "PHA Code"));
45
46
47
48
49
50 PhaCode != null && Agency.getPhaCode.length!=0 && Agency.getPhaCode not matches "[a-zA-Z]{2}[0-9]{3}"
51
52 ID, "4004", "agency.phaCode", "phaCode", $f.getAgency().getPhaCode());
53
54
55 MR"
56
57
```

# Security

PHA can use Digital Certificates rather than userid/password



# Security

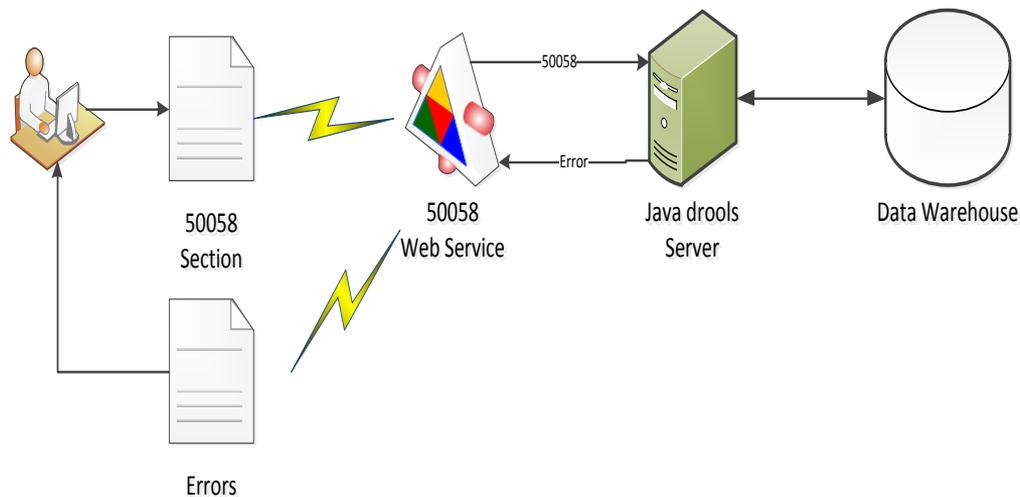


[https://pictest.eastus2.cloudapp.azure.com/pic\\_ng\\_web/#/home](https://pictest.eastus2.cloudapp.azure.com/pic_ng_web/#/home)

# Synchronous

## Information validation

- Synchronous, vendor application can call PIC-NG to validate each section/portion of the 50058 and return any errors
- Information returned can be used in the PHAs application
- Significantly reduces the time between data input and data validation



# Synchronous

ACME PHA

You are logged in as Patrick Evans.

Home

50058 ▾

50058 Pending Submissions

50058 In Process Submissions

**Submission Form**

**Section 1: Agency**

1a. Agency Name:	<input type="text" value="San Diego"/>
1b. PHA Code:	<input type="text" value="CA04"/>
1c. Program:	<input type="text" value="P - Public Housing"/>
1d. Project number (Public Housing only):	<input type="text" value="Project Number"/>
1e. Building number (Public Housing only):	<input type="text" value="Building Number"/>
1f. Building entrance number (Public Housing only):	<input type="text" value="Building entrance number"/>
1g. Unit number (Public Housing only):	<input type="text" value="Unit number"/>



# Synchronous

**Submission Form**

This data has errors:

- PHA Code CA004 is invalid, inactive, or not in the database
- Project number must be filled in when Program is Public Housing
- Building number must be filled in when Program is Public Housing
- Building entrance number must be filled in when Program is Public Housing
- Unit number must be filled in when Program is Public Housing

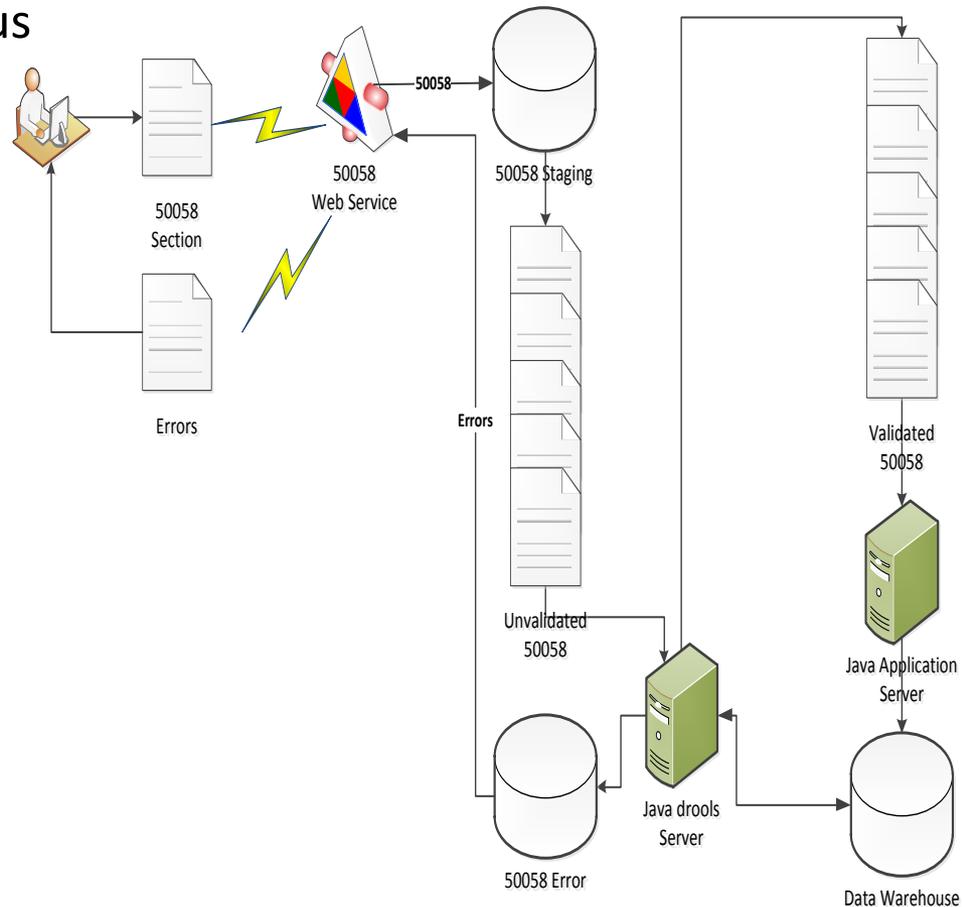
**Section 1: Agency**

1a. Agency Name:	<input type="text" value="San Diego"/>
1b. PHA Code:	<input type="text" value="CA004"/>
1c. Program:	<input type="text" value="P - Public Housing"/>
1d. Project number (Public Housing only):	<input type="text" value="Project Number"/>
1e. Building number (Public Housing only):	<input type="text" value="Building Number"/>
1f. Building entrance number (Public Housing only):	<input type="text" value="Building entrance number"/>
1g. Unit number (Public Housing only):	<input type="text" value="Unit number"/>

# Asynchronous

Completed information submitted to HUD

- Asynchronous – submit to a queue and back ground processes later
- Services to show the status of a submission



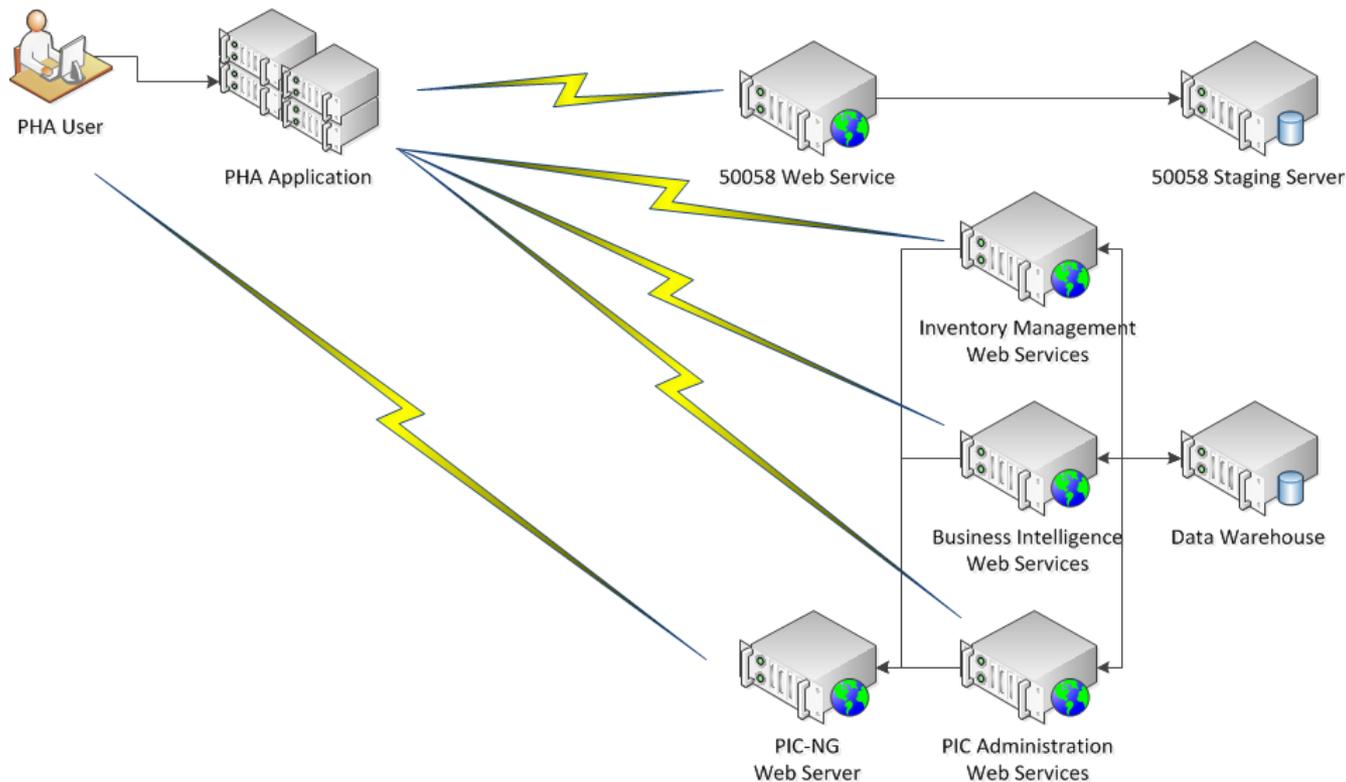
# Asynchronous

## 50058 In Process Submissions

ID	Creation Date	Submission ID	Submission Date	Action
32	2016-08-26	262	2016-08-26	<a href="#">Hide</a>
<b>Last Action</b>			<b>Processed On</b>	
HUD-50058 Family Report - Processing CLOB			Aug 26, 2016 7:30:44 AM	
30	2016-08-23	224	2016-08-23	<a href="#">Hide</a>
<b>Last Action</b>			<b>Processed On</b>	
HUD-50058 Family Report - Completed Processing CLOB			Aug 23, 2016 1:51:36 PM	
<b>Errors</b>				
4054	Action Type 65 must be numeric (1-15)			
4004	PHA Code CA004 is invalid, inactive, or not in the database			
4016	Project number must be filled in when Program is Public Housing			
4082	Effective Date 02302015 must be in date format: MMDDYYYY			
4026	Building number must be filled in when Program is Public Housing			
4094	Admission date must be in date format: MMDDYYYY			
4034	Building entrance number must be filled in when Program is Public Housing			
4038	Unit number must be filled in when Program is Public Housing			
26	2016-08-22	193	2016-08-22	<a href="#">View</a>
12	2016-08-19	100	2016-08-19	<a href="#">View</a>

# PIC-NG Common Data Exchange

- PIC-NG web application developed using Web Services
  - Web Services can be used by PHA vendor applications
  - Vendor applications can integrate seamlessly



# DEMONSTRATION

# Business Intelligence

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## INCOME VALIDATION TOOL - Unreported Income by Household

Program Type : (All)

Unreported Income : Greater than or equal to 2,400

Potential Compromised Household

### TX004 - Unreported Income Summary as of 09/30/2015

Program Type	Total Households Evaluated	Total Discrepant Households	% of Discrepant Households	Reported 50058 Income from all Tenants	Total Unreported Income	% of Unreported Income
Housing Voucher	5,376	1,119	20.81%	\$28,526,913	(\$9,610,113)	25.20%
Public Housing	932	177	18.99%	\$3,343,196	(\$1,176,808)	26.04%

### Household Level Statistics

Head of Household SSN	Effective Date	First Name	Last Name	Unreported Income	Annual Reported Income on Form 50058	Annualized Income Reported by SSA and NDNH	Total Unreported Income	% of Unreported Income	Household Member Count	
xxx-xx-4253	10/1/2015	10	vRHqpczR	GZsjni	167,946	\$0	\$167,946	(\$167,946)	100.00%	3
xxx-xx-0990	8/11/2015	8	ICHcudRnt	iLNEs	64,730	\$14,208	\$78,938	(\$64,730)	82.00%	1
xxx-xx-7532	11/1/2015	11	RSwTUiS	Ggvxrgx	51,757	\$7,320	\$59,077	(\$51,757)	87.61%	4
xxx-xx-5908	8/17/2015	8	fTMFmM	AKestxn	42,901	\$16,687	\$59,588	(\$42,901)	72.00%	5
xxx-xx-8241	11/1/2015	11	IaXuTwRwX	hhZamIc	41,268	\$12,108	\$53,376	(\$41,268)	77.32%	3
xxx-xx-0279	3/25/2016	3	bBdqmYYd	LDDFv	39,952	\$16,848	\$56,800	(\$39,952)	70.34%	4
xxx-xx-7453	2/1/2016	2	GtXthBZ	NYFIFYXuH	39,851	\$9,036	\$48,887	(\$39,851)	81.52%	1
xxx-xx-6661	11/1/2015	11	AWBWwMw	gmZKggKu	39,475	\$26,833	\$66,308	(\$39,475)	59.53%	3
xxx-xx-4308	12/1/2015	12	eKK	tbIfg	37,310	\$0	\$37,310	(\$37,310)	100.00%	2
xxx-xx-3820	12/1/2015	12	CWnuWATW	muYWZ	35,534	\$0	\$35,534	(\$35,534)	100.00%	4
xxx-xx-4580	10/1/2015	10	nrzIzZT	ywTGh	35,438	\$0	\$35,438	(\$35,438)	100.00%	3
xxx-xx-9055	11/1/2015	11	OqivLLa	XMddKlc	34,406	\$0	\$34,406	(\$34,406)	100.00%	1
xxx-xx-8435	11/1/2015	11	xd pSzNd	rfvvUz	34,340	\$21,640	\$55,980	(\$34,340)	61.34%	4
xxx-xx-8111	2/1/2016	2	NocPJdo	ndSSdGIY	33,941	\$15,480	\$49,421	(\$33,941)	68.68%	2
xxx-xx-1021	10/2/2015	10	GBDGom	aIkn	32,936	\$12,854	\$45,790	(\$32,936)	71.93%	7
xxx-xx-3150	11/1/2015	11	ZxZCXcX	WRGhzda	32,866	\$0	\$32,866	(\$32,866)	100.00%	5
xxx-xx-5564	11/1/2015	11	OoBwYuzr	ncOOFTcW	32,359	\$8,664	\$41,023	(\$32,359)	78.88%	4
xxx-xx-5776	11/1/2015	11	SfDqkf	oivkeom	32,124	\$0	\$32,124	(\$32,124)	100.00%	1
xxx-xx-3922	12/1/2015	12	zFDjFVVVW	jDVhhs	30,968	\$0	\$30,968	(\$30,968)	100.00%	3
xxx-xx-1280	11/1/2015	11	QEAzGNzA	UUgmWxS	30,812	\$18,958	\$49,770	(\$30,812)	61.91%	2
xxx-xx-0845	1/1/2016	1	RXAXjBX	zHxHhCOxo	30,594	\$26,932	\$57,526	(\$30,594)	53.18%	5

# Business Intelligence



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## INCOME VALIDATION TOOL - Unreported Income at Member Level

### Unreported Income Summary as of 09/30/2015

Head of Household SSN	Effective Date	Annual Reported Income on Form 50058	Annualized Income Reported by SSA and NDNH	Total Unreported Income	Household Count
xxx-xx-4253	10/1/2015 10	\$0	\$167,946	(\$167,946)	
<b>Total</b>		<b>\$0</b>	<b>\$167,946</b>	<b>(\$167,946)</b>	

### Member Level Statistics

Member Masked SSN	Last Name	First Name	Age	Relationship	Annual Reported Income on Form 50058	Annualized Income Reported by SSA and NDNH	Quarter of Recertification Earnings	Quarter Prior to Recertification Earnings	Number of Employers
xxxx7680	IzSSdQ	FapTXdd	20	E	\$0.00	\$2,750.00	\$716.00	\$659.00	3
xxxx4253	GZsjni	vRHqpczR	38	H	\$0.00	\$165,196.00	\$54,727.00	\$27,871.00	3
xxxx2005	WUaKHa	Kxvzsy	12	Y	\$0.00	\$0.00	\$0.00	\$0.00	
					<b>\$0.00</b>	<b>\$167,946.00</b>	<b>\$55,443.00</b>	<b>\$28,530.00</b>	<b>6</b>

# Business Intelligence



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## INCOME VALIDATION TOOL - Unreported Income at Employer Level

### Member Income as of 09/30/2015

SSN	Effective Date	Member SSN	Member First Name	Member Last Name	Annual Income Reported on Form 50058	Annualized Income Reported by SSA and NDNH	Wage Income (Current Quarter + Prior Quarter)	SSA Income (Current Quarter + Prior Quarter)	Unreported Income
xxx-xx-4253	10/1/2015	10	xxxx4253	vRHqzcr	GZsjni	\$0.00	\$165,196.00	\$80,399.00	\$0.00

### Wage Income      Social Security Income      Unemployment Benefit

Wage Income										
Member SSN	Pay Start Date	Pay End Date	Employee First Name	Employee Last Name	Employer Name	Employer Address	City	State	Zip Code	Income Amount
xxxx4253	1/1/2016	3/31/2016	N	Cvvgmz	EPIC HEALTH SERVICES INC	5220 SPRING VALLEY RD # 400	DALLAS	TX	75254	\$1,825.00
xxxx4253	1/1/2016	3/31/2016	T	bMuFzi	YSSI LLC	4100 ALPHA RD STE 200	DALLAS	TX	75244	\$259.00
xxxx4253	10/1/2015	12/31/2015	JqjIzJD	0w0h	CHIEF CITY MECHANICAL INC.	PO BOX 679	BLOOMINGTON	IL	61702	\$53,369.00
xxxx4253	10/1/2015	12/31/2015	t	PkeeYH	AMAZON.COM KYDC INC	PO BOX 81226	SEATTLE	WA	98108	\$766.00
xxxx4253	10/1/2015	12/31/2015	z	imk'sJM	YSSI LLC	4100 ALPHA RD STE 200	DALLAS	TX	75244	\$592.00
xxxx4253	7/1/2015	9/30/2015	RtGQXPC	IDAP	CHIEF CITY MECHANICAL INC.	PO BOX 679	BLOOMINGTON	IL	61702	\$25,672.00
xxxx4253	4/1/2015	6/30/2015	ZgRyCFO	Yjto	CHIEF CITY MECHANICAL INC.	PO BOX 679	BLOOMINGTON	IL	61702	\$23,086.00
xxxx4253	1/1/2015	3/31/2015	AgwRJAV	qNef	CHIEF CITY MECHANICAL INC.	PO BOX 679	BLOOMINGTON	IL	61702	\$21,213.00
xxxx4253	1/1/2015	3/31/2015	S	Ia'NOA	SMITH TEMPORARIES INC	PO BOX 909	GRAPEVINE	TX	76099	\$90.00
xxxx4253	10/1/2014	12/31/2014	cIbXScKI	hiIHAY	NOLL INC	12905 W DODGE RD	OMAHA	NE	68154	\$1,108.00
xxxx4253	10/1/2014	12/31/2014	PjiraPy	odlo	CHIEF CITY MECHANICAL INC.	PO BOX 679	BLOOMINGTON	IL	61702	\$46,341.00
xxxx4253	10/1/2014	12/31/2014	X	IHXdyD	SMITH TEMPORARIES INC	PO BOX 909	GRAPEVINE	TX	76099	\$3,792.00
xxxx4253	7/1/2014	9/30/2014	wPaKYwoP	gblizE	NOLL INC	12905 W DODGE RD	OMAHA	NE	68154	\$4,687.00
xxxx4253	7/1/2014	9/30/2014	wxeitwS	Uanr	CHIEF CITY MECHANICAL INC.	PO BOX 679	BLOOMINGTON	IL	61702	\$22,459.00
xxxx4253	4/1/2014	6/30/2014	HVKTHHwV	TNKAH2	NOLL INC	12905 W DODGE RD	OMAHA	NE	68154	\$4,242.00

Possible Identity Theft?

# Business Intelligence



INCOME VALIDATION TOOL - Unreported Income at Employer Level

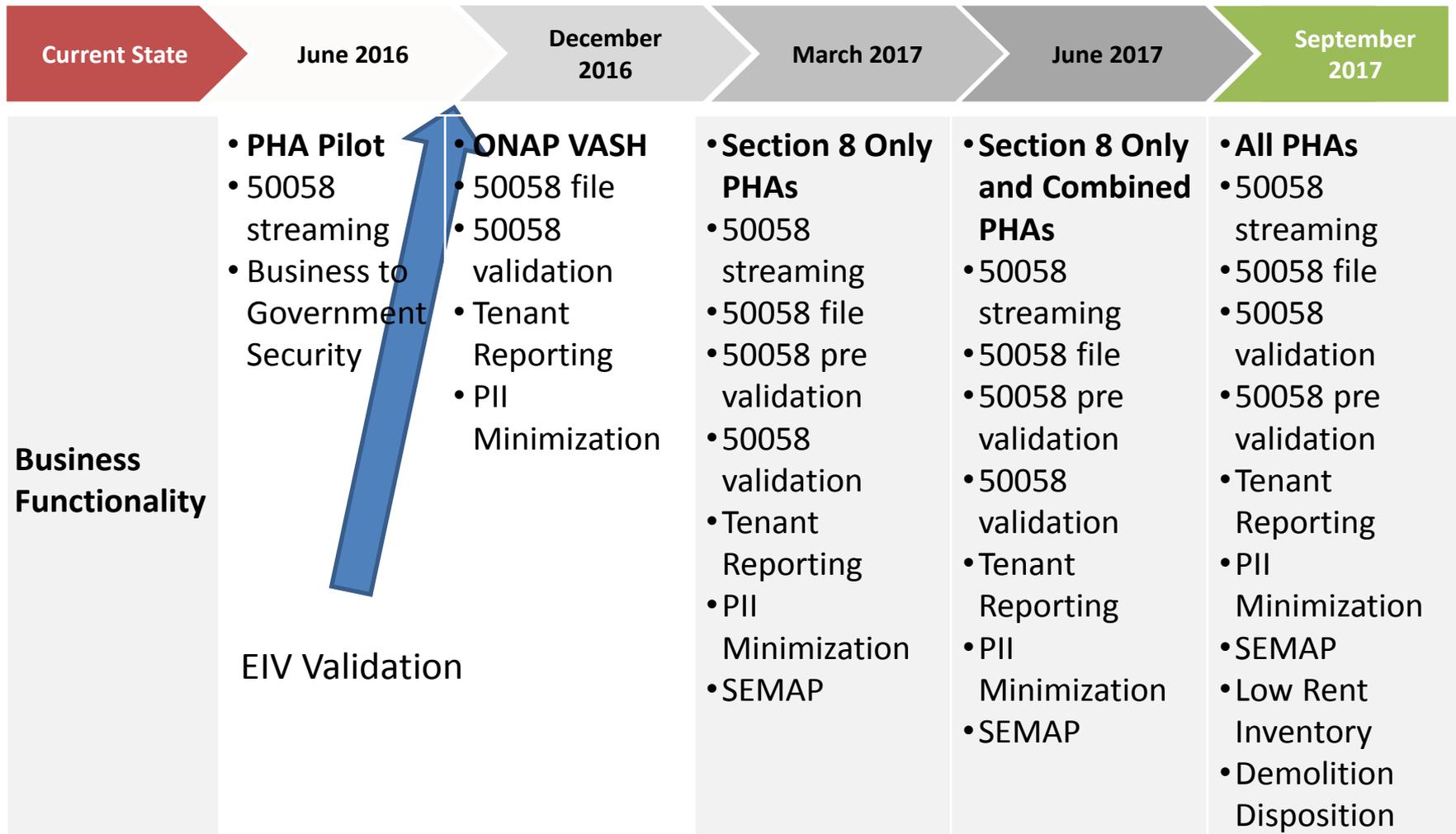
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Member Income as of 09/30/2015

SSN	Effective Date	Member SSN	Member First Name	Member Last Name	Annual Income Reported on Form 50058	Annualized Income Reported by SSA and NDNH	Wage Income (Current Quarter + Prior Quarter)	SSA Income (Current Quarter + Prior Quarter)	Unemployment Benefit
xxx-xx-4253	10/1/2015	10	xxxx4253	vRHqpzcR	GZsjni	\$0.00	\$165,196.00	\$80,399.00	\$0.00

Wage Income		Social Security Income		Unemployment Benefit	
Unemployment Benefit					
Member SSN	Pay Start Date	Pay End Date	Income Amount		
xxxx4253	1/1/2015	3/31/2015	\$810.00		
xxxx4253	4/1/2015	6/30/2015	\$0.00		
xxxx4253	7/1/2015	9/30/2015	\$2,199.00		
<b>Total</b>			<b>\$3,009.00</b>		

# PIC-NG Roadmap



# EIV Validation

## EIV Tenant Validation

### Tenant Information

Name (First, M, Last)	LLXZCZAIPL P. IAWGSEVPNW
Program Type	P
PHA Code	SK859
Project Number	SK85922605
Building Number	60448
Building Entrance Number	914
Unit Number	35213
Address Line 1	459 YSUQIBREYU
Address Line 2	APT NO 746
City	BOQZIFNVRE
Zipcode	69137

# Stakeholder Engagement

## Industry conferences and engagement

Industry Day - April 2015

Emphasys Conference - August 2015

OATHA Conference - October 2015

Yardi Conference - October 2015

Ten Mast Conference - October 2015

Industry Demonstration - March 2016

Yardi Conference - June 2016

NAHRO Conference - July 2016

Emphasys Conference - August 2016

NAHRO Conference - October 2016

## PHA engagement

New York City Housing Authority, August 2015

Lincoln PHA – September 2015

Saint Paul PHA - November 2015

Boston PHA - December 2015

PHA Pilot- Summer 2016

PHA Listening Sessions - June-September 2016

**Consistent, proactive engagement with PHAs and industry partners to create a more flexible, effective product**

# PIC-NG Next Steps

- Proof Of Concept – PHA Data Exchange – Web Services/Security
  - Yolo Housing Authority, CA
  - St. Paul Housing Authority, MN
  - Hagerstown Housing Authority, MD
  - Contra Costa Housing Authority, CA
  - New York City Housing Authority, NY
  - Tulsa Housing Authority, OK
  - Boston Housing Authority, MA
  - Michigan State Housing Development Authority
- First phase: Test transmittal of 50058 Section 1,2 and 4 using a secure and encrypted web service
- Second phase: Parallel transmittal of the full 50058 using the web services and submitting the 50058 in PIC to test for
  - No loss of records
  - Data transmitted without corruption
  - Error messaging works and is user friendly
  - Metric to measure time saved using the Web Service

# PIC-NG Next Steps

Slack needs your permission to enable desktop notifications.

**#general**  
42 members | Company-wide announcements and work-based matters

Zip

**hud-patrick** 2:35 PM  
In the pilot, we have generated for each PHA its own unique public/private key. Your key will need to be installed in your application so that it will be used when accessing the PI file ([https://en.wikipedia.org/wiki/Privacy-enhanced\\_Electronic\\_Mail](https://en.wikipedia.org/wiki/Privacy-enhanced_Electronic_Mail)) and a PFX file to allow you the flexibility to use the key both in a browser and your application

Attached above are the keys, please use the key assigned to your PHA.

**hud-patrick** 2:37 PM  
added and commented on a JavaScript/JSON snippet: [50058-example.json](#)

```
1 {
2   "form50058": {
3     "agency": {
4       "phaCode": "AA395",
5       "program": "VO",
```

How to submit a JSON 50058

POST URL: [https://pictest.eastus2.cloudapp.azure.com/pic\\_ng\\_ws/form50058/json50058form](https://pictest.eastus2.cloudapp.azure.com/pic_ng_ws/form50058/json50058form)

Sample Input :  
See 50058-example.json attachment

Sample Output:

```
{
  "description": "Successful",
  "message": {
    "submissionId": "11644"
  }
}
```

**hud-patrick** 2:40 PM  
How to return the results from a 50058 submission:

GET URL: [https://pictest.eastus2.cloudapp.azure.com/pic\\_ng\\_ws/form50058/submissionResults?submissionId=93](https://pictest.eastus2.cloudapp.azure.com/pic_ng_ws/form50058/submissionResults?submissionId=93)

Sample Output:

```
{
  "lastAction": "HUD-50058 Family Report - Completed Processing CLOB",
  "processingDate": 1471611356000,
  "messages": [
```

<https://pic-ng.slack.com/messages/general/>

# What does the future hold?

- After the tenant information is conquered we then will turn to the rest of PIC-NG
  - SEMAP submittals
  - Building and unit changes
  - Removals form inventory
  - Reports and Business intelligence
- We will need to work closely with you to determine the best solution since some of these features may not be fully part of your current PHA software packages

**PIC-NG**

**Questions?**