

PIC – Next Generation (PIC – NG) - VMS

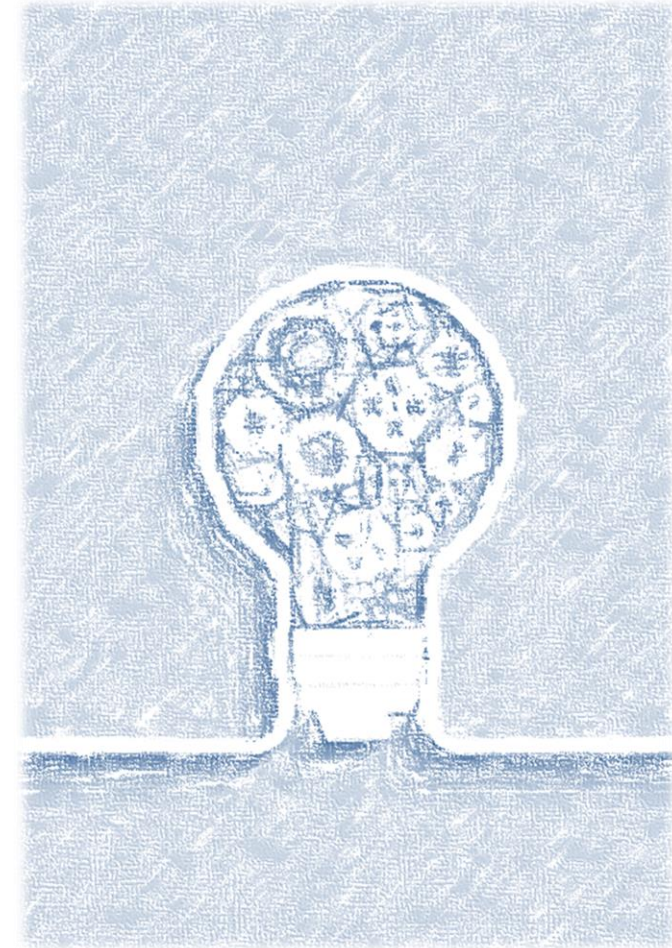


**U.S. DEPARTMENT OF HOUSING AND URBAN
DEVELOPMENT**

Industry Day - July 2017

Rationale For Change

- VMS developed in 2003
 - No upgrades to the system since 2007
- Accuracy of VMS information
 - Information submitted 60 – 90 days behind current
 - Submitted at summary not at household level
 - Funding still awarded from Excel spreadsheets
- Availability
 - 2016, 10 days below 80% availability, and VMS was only 96% available
 - Additional 10,000 calls for the REAC Technical Assistance Center
- Integration with systems
 - Difficult/Impossible to integrate VMS submissions directly from the PHA's application
 - No integration with IMS/PIC (Inventory Management System)
 - No integration with HUD accounting software



Issues with VMS

- Supports HUD’s biggest program: ~ \$20 billion funding, 2.26 million households
- Lack of IT integration, including VMS/PIC, top PIH risk for several years
- Limitations on VMS have contributed to several open audit findings

Audit Finding	Audit Recommendations	Most Recent Audits Finding	Root Causes
<ul style="list-style-type: none"> ▪ HUD’s Supplemental Measures and Corrective Actions Did Not Target the Root Causes of HUD’s Improper Payment ▪ PIH’s Housing Choice Voucher Program Cash Management Process Departed From GAAP and Treasury Requirements ▪ HUD Did Not Account for Assets and Liabilities in Its Public and Indian Housing Programs in Accordance With GAAP and FFMIA ▪ HUD Did Not in Comply With Treasury’s Financial Manual Rules on Cash Management or 2 CFR Part 200 	<ul style="list-style-type: none"> ▪ Develop better ability to identify improper payments ▪ Automate cash-management process, including electronic interface with general ledger ▪ Establish process to track HUD payments at household level 	<p>2014-FO-0003 2015-FO-0002 2016-FO-0003 2017-FO-0003</p>	<p>HUD’s inability to:</p> <ul style="list-style-type: none"> • Automate the traceability of tenant expenditures • Establish a compliant control environment, • Recognize required changes • Identify appropriate accounting principles and policies.

Vision

- Re-engineer data collection to real time streaming using PIC-NG upgrade of IMS/PIC
 - HAP payments
 - Abatements
 - Family Self-Sufficiency
- Collect data at the household/unit level based on actuals
- Propose solution that works for PHA IT Industry



eVMS Progress

- Tested and verified PIC-NG data streaming ability with 9 PHAs
- Initiated the Proof of Concept for eVMS
 - Successfully tested the initial calculation engine with mock PHA data from Tulsa for 4,600 households
 - Collected feedback from pilot PHAs and Industry
- Identified selection criteria to expand the Proof of Concept
 - Use live data from Tulsa PHA and 8 additional agencies
 - Established framework to incorporate PHA and Industry feedback
- Stakeholder engagement key to success

What we want to know

- Start with the Household 50058
 - Do PHAs maintain household level information for everything?
 - PHA already submit the 50058 information, is that accurate?
 - Can missing information be submitted easily, or is it maintained in other systems?
- Household not using the 50058
 - How do PHAs currently calculate the information that goes into VMS?
 - How burdensome is it to get the information for VMS?
 - Which PHAs systems are needed?
- How does this impact PH
 - What enhancements will PHAs need to make to their proprietary, GOTS and COTS systems to provide data in the new format requested by HUD?
 - How many PHAs will need improvements/enhancements to their systems?
 - How much will it cost?

Calculation Process

- Calculation Engine
 - PIC captures 50058 information
 - PIC captures supplementary information
 - System pairs 50058 and supplementary information to calculate payments at household level
 - Abatements captured at household level
 - HAP costs automatically sent to HUD accounting system



Roadmap

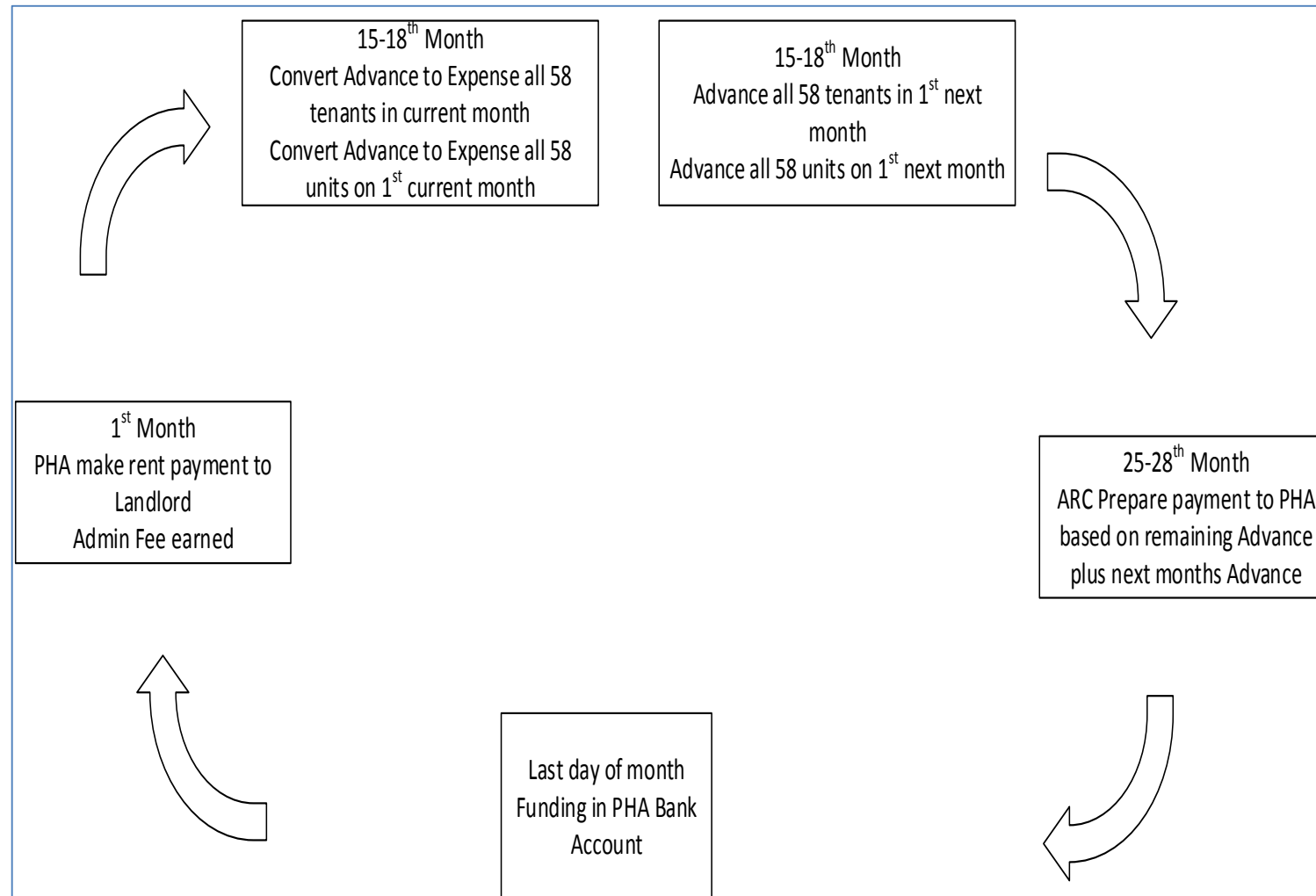
Current State	July 2017	November 2017	January 2018	March 2018
<p>PIC Business Functionality</p> <ul style="list-style-type: none"> • PHA Pilot • 50058 streaming • Business to Government Security 	<ul style="list-style-type: none"> • ONAP VASH • 50058 file • 50058 validation • Tenant Reporting • PII Minimization • Tenant Validation • Lifeline 	<p>Section 8 Only PHAs</p> <ul style="list-style-type: none"> • 50058 streaming • 50058 file • 50058 pre validation • 50058 validation • Tenant Reporting • PII Minimization • SEMAP 	<p>Public Housing Only 50058 and Combined PHAs</p> <ul style="list-style-type: none"> • 50058 streaming • 50058 file • 50058 pre validation • 50058 validation • Tenant Reporting • PII Minimization <p>SEMAP</p> <p>MTW Section 8</p> <ul style="list-style-type: none"> • 50058 streaming • 50058 file • 50058 pre validation • 50058 validation • Tenant Reporting • PII Minimization 	<p>All PHAs</p> <ul style="list-style-type: none"> • 50058 streaming • 50058 file • 50058 validation • 50058 pre validation • Tenant Reporting • PII Minimization • SEMAP • Low Rent Inventory • Demolition Disposition
Current State	July 2017	December 2017	January 2018-December 2018	March 2019
<p>VMS Business Functionality</p> <ul style="list-style-type: none"> • VMS 		<p>eVMS Development</p> <ul style="list-style-type: none"> • VMS data streaming • Linked to 50058 file • validation • Calculations engine • Plugin for accounting system 	<p>eVMS Demonstration</p> <ul style="list-style-type: none"> • VMS data streaming (first 9PHAs) • VMS data streaming 600 PHAs 	<p>All PHA adoption of eVMS</p>

IMC/PIC Information

Calendar Date		Effective Date of Voucher by Month					Effective Date	Type	Amount
		Jan 17	Feb 17	Mar 17	Apr 17	May 17			
12-Dec	HAP	200	200	200	200	200			
	FSS	15	15	15	15	15			
23-Jan	To eVMS						Feb 1-28	HAP	200
							Feb 1-28	FSS	15
3-Feb	HAP		300	300	300	300			
23-Feb	To eVMS						Feb 1-28	HAP	100
							Mar 1-31	HAP	300
							Mar 1-31	FSS	15
12-Mar	Abatement	50	50						
23-Mar	to eVMS						Jan 1-31	Abatement	-50
							Feb 1-28	Abatement	-50
							Apr 1-30	HAP	300
							Apr 1-30	FSS	15

**PIG-NG
extract
for
eVMS**

eVMS Process Cycle



PIC Information already collected

Field Name	PIC Source	Field Name	PIC Source
Form HUD-50058 Data		Form HUD-50058 Data	
58 Date Modified	PIC 50058 Header	58PBV HAP to Owner	11t
58 Effective Date of Action	2b	58PBV Moving Indicator	11b
58 HAP to Owner	12u	58PBV Prorated HAP to Owner	11an
58 Household Unique Identifier	N/A	58PBV Tenant Rent	11s
58 Moving Indicator	12b	Submission Date	Data Base Field "Submission Date"
58 Other Special Programs: Number 1	2n	58 Correction Indicator	2c
58 Other Special Programs: Number 2	2n	58 Correction Reason	2d
58 Program Code	1c	58 Cost Billed per Month	12e
58 Prorated HAP to Owner	12aj	58 Date of Last Annual HQS Inspection	5i
58 Special Program Code	2m	58 Date Unit Last Passed HQS Inspection	5h
58 Type of Action	2a	58 FSS Participation Indicator	2k
58 Utility Reimbursement	12w	58 Head of Household First Name	3a
58FSS Current FSS Account Monthly Credit	17k(1)	58 Head of Household Last Name	3a
58H HAP	15r	58 Housing Type	12g
58H Moving Indicator	15a	58 Mixed Family Tenant Rent to Owner	12ai
58H Prorated HAP	15ae	58 Owner Unique Identifier	N/A
		58 PHA Code	1b

PIC Information already collected

Field Name	PIC Source	Field Name	PIC Source
Form HUD-50058 Data		Form HUD-50058 Data	
58H PHA Code Billed	15e	58 PHA Code Billed	12f
58H Portability Indicator	15c	58 Portability Indicator	12d
58H Total Family Share	15s	58 Projected Effective Date of Next Reexamination	
58PBV Cost Billed per Month	11e	58 Prorated Total HAP	12af
58PBV Housing Type	11g	58 Tenant Rent to Owner	12v
58PBV Mixed Family Tenant Rent	11ak	58 Total HAP	12s
58PBV Owner Unique Identifier		58FSS Account Amount Disbursed to the Family	17(k3)
58PBV PHA Code Billed	11f	58FSS Contract Completion Indicator	17m(1)
58PBV Portability Indicator	11d	58FSS Contract Date Extended to	17j(3)
58PBV Prorated Total HAP	11ah	58FSS Current FSS Account Balance	17k(2)
58PBV Total HAP	11r	58FSS Effective Date of Action	17c
Transmission Date	Transmission File	58FSS Initial End Date of Contract of Participation	17j(2)
Transmission Time	Transmission File	58FSS Initial Start Date of Contract of Participation	17j(1)
		58FSS PHA Code of PHA Administering FSS Contract	17d
		58FSS Report Category	17b
		58H Cost Billed per Month	15d
		58H Mixed Family Total Family Share	15af

Additional Information

Field Name	Description
Household Unique Identifier	The "Household Unique Identifier" is a HUD created unique identifier that will replace the use of personal identifying information (PII) and will be able to track households in the event of a change to the head of household.
Program Code	A field to indicate the program type the household, for each financial transaction, is participating (e.g., Family Unification Program, Non-Elderly Disabled, All Other Vouchers (AOV), etc.).
Abatement Amount	A field to indicate the total amount abated.
Abatement End Date	A field to indicate the end date of an abatement.
Abatement Reversal Amount	A field to indicate the total amount of abatement being reversed.
Abatement Reversal End Date	A field to indicate the end date of the abatement to be reversed.
Abatement Reversal Start Date	A field to indicate the start date of the abatement to be reversed.
Abatement Start Date	A field to indicate the start date of an Abatement. eVMS may receive an Abatement Start Date and not receive an Abatement End Date or an Abatement Amount, which would mean that the abatement had started and has not ended so an abatement amount is not yet known.
Date Submitted	A field to indicate the date the record was submitted to eVMS.
Fraud Amount Recovered to Net Restricted Assets (NRA)	A field to report the amount of funds recovered by the PHA's fraud recovery efforts that are recovered to the PHA's Net Restricted Assets.
Family Self-Sufficiency (FSS) Escrow Forfeiture Amount	A field to report the amount of FSS Escrow being forfeited back to the PHA.
Non-Fraud Amount Recovered to NRA	A field to report the amount of restricted funds recovered that is not fraud related recoveries.

**What else do
we need?**

