Exchange Network Action Plan

EN2011

April 26, 2011

Denver, Colorado

Data Flow Readiness Criteria

1. Automation ready

2. Solutions for all partners

3. Transaction status reporting and error checking

4. Accessible and stable flow documentation

5. Specifications for data access services

6. Clear path to eliminate alternative data exchange approaches

Data Flow Readiness Criteria

1. Automation ready
   - Flow provides for fully automated node-to-node exchange of data in XML format.
   - Flow can normally run unattended and it contains an alert provision for exceptions/errors

Data Flow Readiness Criteria

2. Solutions for all partners
    - Flow provides appropriately tailored and scaled EN solutions for partners of all sizes, needs, and capabilities
    - An EN web client or a customized desktop client should be available to users that do not need or want to install an EN Node

Data Flow Readiness Criteria

3. Transaction status reporting and error checking
   - Flow supports a fully automated process for reporting transaction status, processing results, and Quality Assurance (QA) results from receipt by CDX through final processing in the National System
   - Flow improves error detection and supports automated and program error correction

Data Flow Readiness Criteria

4. Accessible and stable flow documentation

- Documentation describes all requirements to implement and maintain the flow
- Documentation includes a complete Flow Configuration Document (FCD) that complies with EN procedures for version management

Data Flow Readiness Criteria

5. Specifications for data access services
   - Flow configuration documents will include specifications for a standard set of web services (query/solicit services) that partners can use to make data available in an automated fashion

6. Clear path to eliminate alternative data exchange approaches
   - States and EPA will establish firm shutoff dates for data exchange processes that are redundant to the Exchange Network
   - The exception is direct data entry into a national data system

Flow Readiness Assessments

- Progress toward meeting a consistent set of Network readiness criteria
- Actions underway or still required for the criteria to be met
- The staff responsible for performing the work
- Pertinent issues of concern
- Target completion dates

Sample Flow Readiness - AQS

Criteria:	Status	Issues/ Obstacles	Actions	Primary Responsibility	Completion Period
Automation Ready	On Track		Automate the (currently manual) step for loading data into the National System	OAQPS	Q2 2011
			Standardize web services that enable the flow of data between the CDX node and the National system	OAQPS with EN staff technical support	Q2 2011
Solutions for all partners	On Track		Design, develop, and deploy refined CDX EN web client.	EN staff	Q2 2011
	On Track		Outreach to submitters including development of XML tools.	EN staff, Governance, and OAQPS	Q2 2011
Access to transaction status	Attention Required		Develop transaction messaging	EN staff	Q4 2011
Accessible and stable flow documentation	Complete				
Specifications for Data Access Services	On Track		Develop, document, and demonstrate standard specifications for data access services based on Air Quality Data Exchange data access services	AQS IPT	Q1 2011
Clear path to eliminate alternatives	Attention Required		Eliminate legacy CDX web application	EN staff with input from OAQPS	Q4 2011

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