

FBI CDE

Sprint 6 Recap & Sprint 7 Plan

March 1, 2017

PROJECT STATUS

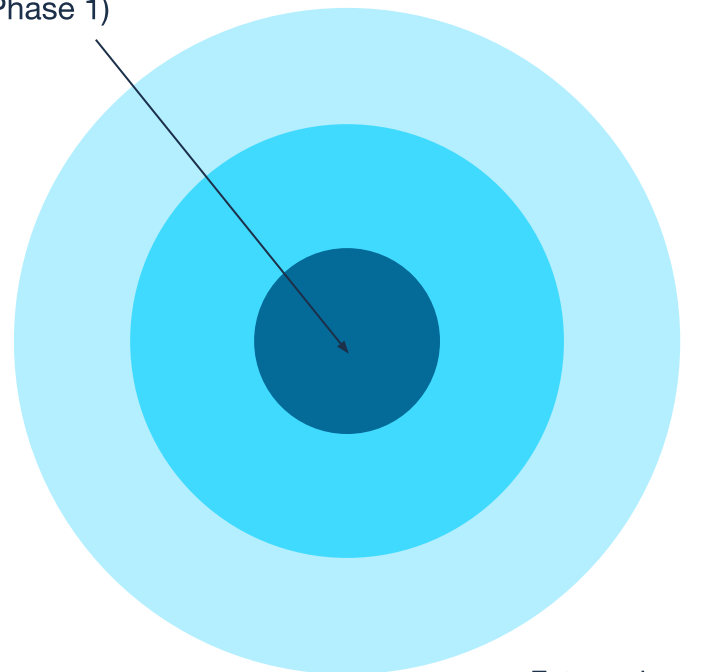
With the completion of Sprint 6 we have reached the end of the current engagement.

Our mission, per the statement of work (SOW) and the direction established at kickoff, was to deliver a “quick win” for the FBI and set the stage for further modernization efforts.

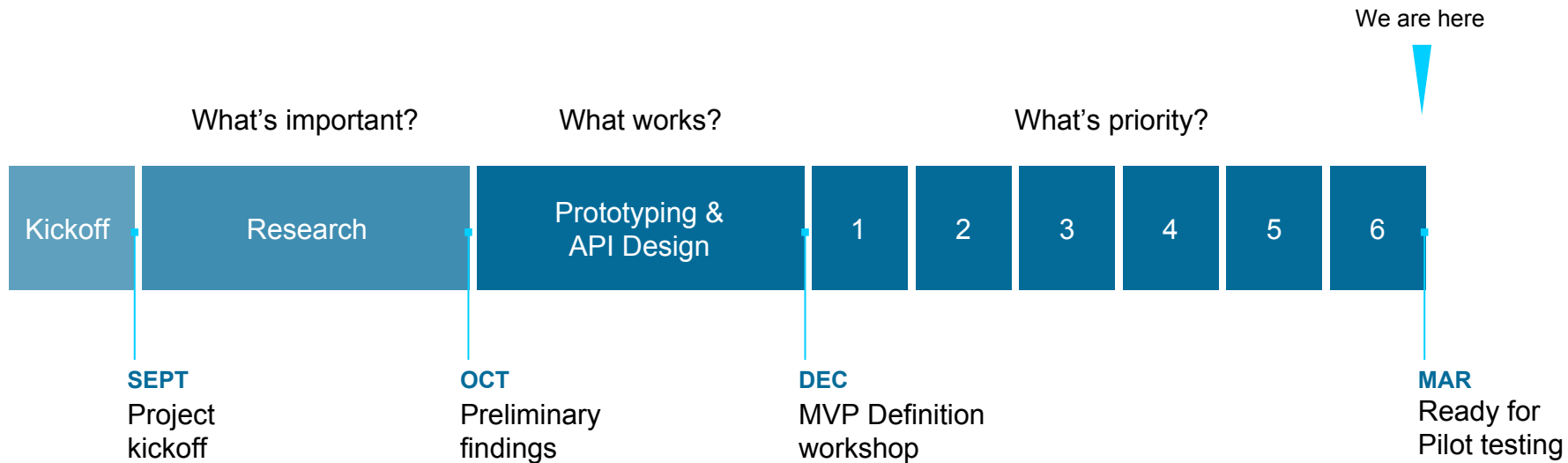
Specifically, we were asked to:

- Build an MVP, or first iteration of the Crime Data Explorer (CDE) that provides access to SRS, NIBRS, and LEOKA data in a user-friendly way.
- Design a solution that appeals to law enforcement and the general public by making UCR data more accessible and transparent.

CDE MVP
(Phase 1)



LOOKING BACK



FOCUS FOR MVP

WHAT?

The first iteration of the CDE is aimed at orienting and guiding users through the data—it's not a dedicated tool for analysis.

WHO?

Aim for consumers with influence over the public's perception of crime, but make it approachable and accessible for everyone.

HOW?

Provide multiple pathways to the data—visualization of high-level trends, CSV downloads of SRS and NIBRS, and an open API. *

** The MVP is built around a single data transfer from new UCR; there is no formal connection between the two systems.*

WHAT WE DELIVERED

The CDE MVP enables users to explore high-level crime trends and incident data by time and location, while providing access to more granular perspectives through downloads and an open API.

The MVP is a start, not an end. It is meant to be tested in order to validate direction and inform product direction.

You can view our progress at:

<https://crime-data-explorer-demo.fr.cloud.gov/#/>

Key features & capabilities:

- View summary trends and NIBRS data by crime type, timeframe, and location. The “explorer view” is currently limited to state and national perspectives.
- View related UCR participation and police/census data for a given location.
- View programmatically-generated content & caveats that help explain results.
- Download trend and incident data displayed in the explorer view as a CSV.
- Download bulk incident data by state and year as a CSV.
- Download available hate crime, LEOKA, cargo theft, and human trafficking as a CSV.
- Leverage an open API that allows users to derive insights from available UCR data.
- Access the explorer experience on a mobile device.

Sprint 6 Recap

WHAT WE DID

- **Complete remaining integration work for the explorer view**
- **Build an about page that explains the goals & limitations of the CDE**
- **Finalize the datasets available for download**
- **Address critical performance issues**
- **Advance designs for county-level perspectives**

WHAT WE LEARNED

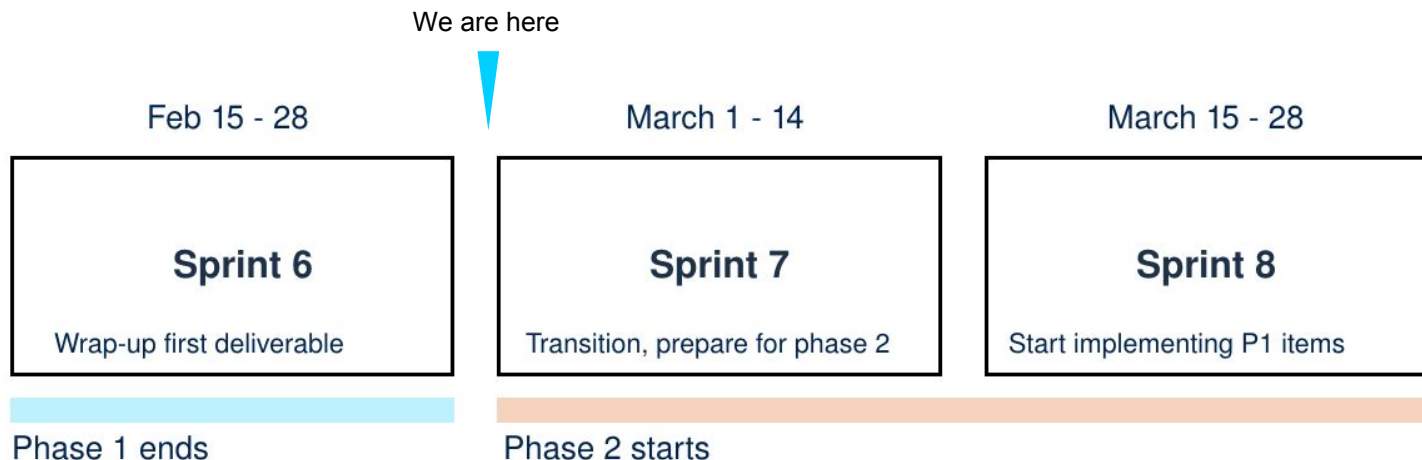
We spoke with 1) an open data expert and 2) a UCR program manager:

- Overall, reactions were positive. Both participants saw the CDE as a significant improvement over the existing UCR website.
- Users have varying perspectives as to what the CDE is meant to be - at times, we heard “portal for data entry” and “real-time.”
- Not everyone understands why some states report SRS, or NIBRS.
- Users expect to be able to drill-down into location-specific details.
- Consumers prefer raw data when downloading it, but will need additional context in order to work with it.

Sprint 7 Plan

TRANSITION

Sprint 7 is aimed at facilitating the transition to a second phase of work that will be governed by a new agreement. Unlike previous sprints, the next 2 weeks will not be aimed at developing new features, but rather, “hardening” the application for testing and preparing for a workshop that helps outline our remaining priorities



SPRINT 7 FOCAL AREAS

- **PLANNING**

- Prepare for executive briefing & prioritization workshop at CJIS (TBD)
- Prepare county designs for implementation
- Advance thinking for city-level perspectives

- **FUNCTIONAL ENHANCEMENTS**

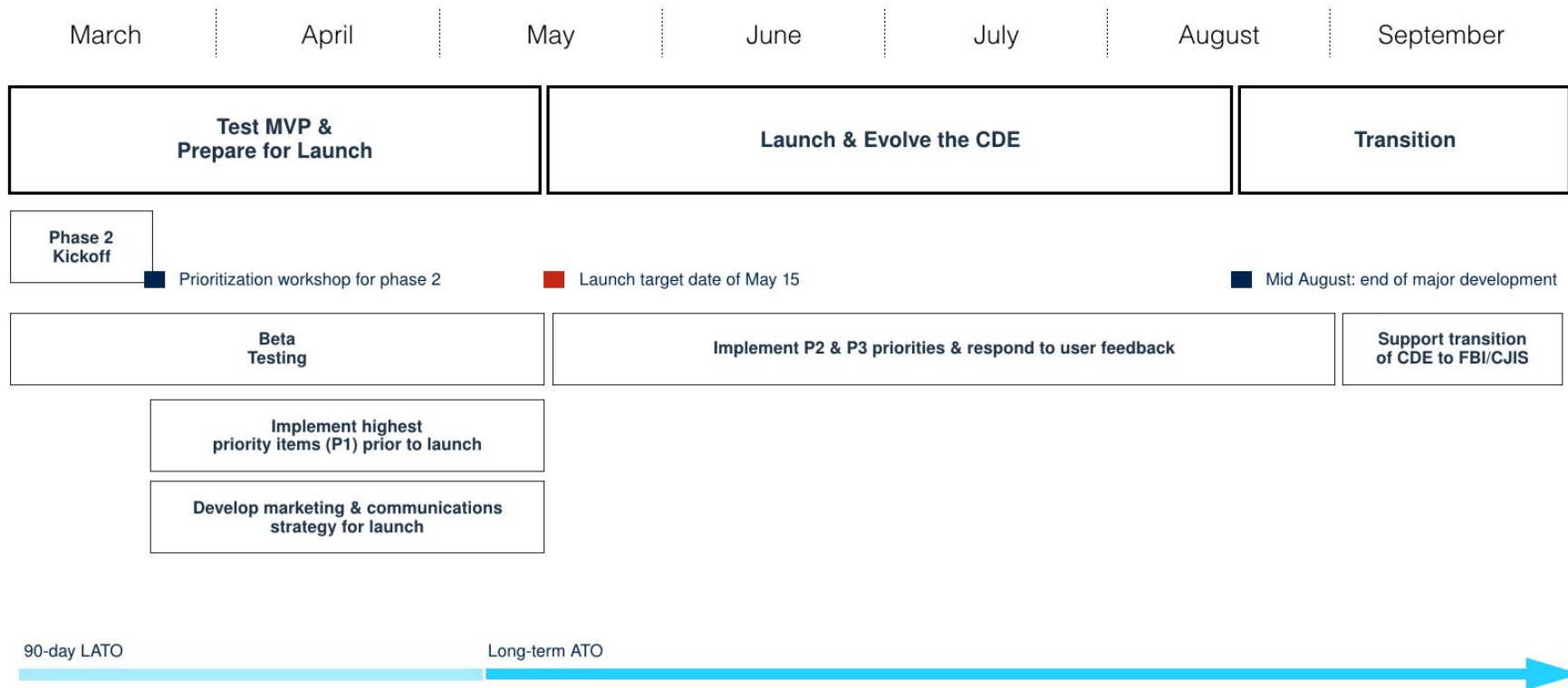
- Indicate when “no data” exists for a given year in a trend
- Add a README & data dictionary to provide context for downloads
- Add a mechanism for providing feedback

- **CODE REFACTORING & API OPTIMIZATION**

- Cleanup & remove unnecessary code

- **DESIGN POLISH**

LOOKING AHEAD (PHASE 2 APPROACH)



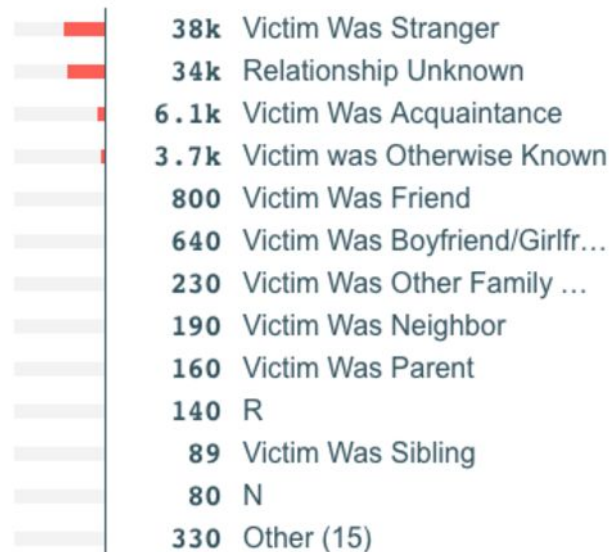
Next steps

QUESTIONS, ACTION ITEMS

- Need to have an alignment call with the project leadership team (Friday) & confirm dates and participants for the March workshop at CJIS
- 18F will request help from CJIS in defining terms for a data dictionary
- Do we need to respond to the VAL findings?
- Any questions related to the IG report?
- How should we handle non-standard NIBRS attributes, such as “R” and “N”?
See example on right:

Victim's relationship to the offender

TOTAL INCIDENTS 84,402



 Download data

View by  



 An official website of the United States government

 This site is in beta. Help us make it better: [Submit Feedback](#) 

FEDERAL BUREAU OF INVESTIGATION

Crime Data Explorer

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National, state, and local crime data

The FBI collects and publishes Uniform Crime Reporting (UCR)  data on an annual basis.

Over 18,000 law enforcement agencies across the country voluntarily participate in the program by submitting data through a state UCR program or directly to the FBI. This open data project is part of our ongoing efforts to improve the accuracy and timeliness of the nation's crime statistics.



Explore by type of crime and location

United States



Crime Types



[View Results](#)

