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Supply Chain Visibility Executive Summary

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SUPPLY CHAIN VISIBILITY

Executive Summary

DCMA data systems lack an integrated automatic alert feature to monitor and transmit supply chain events to internal and external government customers as the event occurs. Without a configurable alert notification feature, data stored within our data systems regarding delivery risk, delinquent delivery causes and timelines, and supply chain disruptions cannot be effectively communicated to supply chain partners for action and risk mitigation efforts.

By creating and implementing an automated event based alert management system, contract actions and exceptions can be detected and automatically communicated to appropriate personnel for immediate action and resolution.

The creation of an automated alert feature in our agency must focus on transmitting timely "value added" information as defined by the customers (internal and external). The best way to determine the information regarded by the customer to be value added is to create a customer registration page, that incorporates <u>contact information</u>, and <u>customer selected fields</u> to identify the <u>suppliers</u>, <u>programs</u>, <u>contracts</u>, <u>schedules</u>, <u>stock numbers</u>, <u>part numbers</u>, etc., that the customer has an interest in receiving. Additional query fields would be available to request alerts from DCMA functional specialist as the events happen, making the data <u>timely</u> and <u>actionable</u>. The design of the customer registration page will permit the customer to be <u>notified of changes in status, quality, contractor risk, program progress</u>, etc.
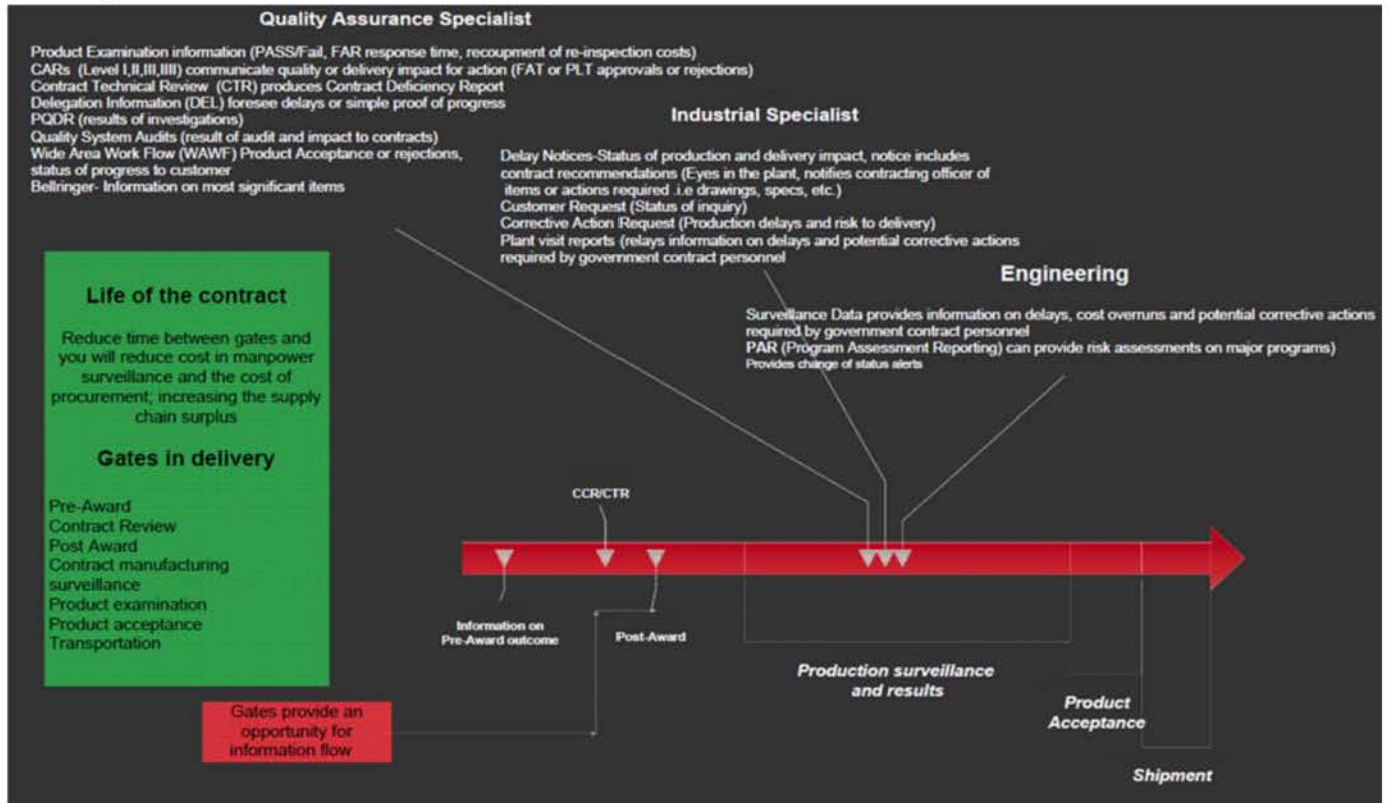
Savings of <u>$1M in FTE reductions</u> will be obtained by transferring manually performed contract status updates to autonomous alerts. Other <u>cost avoidances</u> would <u>save additional millions</u> with greater collaboration on contract administration with U.S Government customers; decreasing delays on critical wartime assets and contract data items. At this time, we will discuss only benefits to the customer, though suppliers of government contracts would also benefit significantly from automating the information flow to reduce supply chain disruptions.

With what is called the **"Gates of Delivery"** (See Fig 1) auto alerts from DCMA would become similar to tracking mechanisms used by companies such as FedEx and UPS in knowing where the package is; whereas, DCMA would be able to communicate the phase items in procurement are staged. This would be implemented by tracking gates at each significant step in post award contract management; *Pre-Award, Contract Review, Post Award, Contract*

Manufacturing Surveillance, Product Examination, Product Acceptance, Transportation/Shipment (See Fig 2).

The first phase of this project will include a mock-up registration page to illustrate the type of information that could be acquired by the customer autonomously, and the value DCMA would gain from engaging with the customer on post award surveillance events as they occur. From this mock-up design, the project will proceed to senior leaders for approval, and submission to our Information Technology Division for requirements creation.

Figure 1

Figure 2

6 Phases of monitoring
Pre-Award, Contract Review, Post Award, Contract Manufacturing Surveillance, Product Examination, Product acceptance, Transportation (Shipment)

CCR/CTR

Information on Pre-Award outcome

Post-Award

Production surveillance and results

Product Acceptance

Shipment

5 functions monitoring contracts
(Engineering, Industrial Specialist, Quality Assurance, Supply Chain Specialist, Contracting Officers/Administrators