



**To: Bay Area UASI Approval Authority**  
**From: Catherine Spaulding, Assistant General Manager**  
**Date: November 9, 2017**  
**Re: Item 4: FY 2018 UASI Hub Funding Formula**

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**Staff Recommendations:**

Approve the proposed FY 2018 UASI hub funding formula

**Action or Discussion Items:**

Action

**Discussion:**

***A. Formula***

The Bay Area UASI uses DHS' Metropolitan Statistical Area (MSA) risk formula to guide the portioning of grant dollars among the Bay Area four hubs using risk criteria. We have used the following hub funding formula for the past nine years:

$$\textit{Population risk (49\%)} * \textit{Asset risk (29\%)} * \textit{Economic risk (22\%)}$$

Haystax Technology calculates population risk using census, density, and commuter data; asset risk using threat, vulnerability, and consequence data from the Bay Area UASI asset catalog in Cal COP; and economic risk by using GDP by MSA and industry data from the U.S. Bureau of Economic Analysis.

**B. Calculation**

Haystax Technology then combines the three weighted risk elements (population, asset, and economic) to determine each hub’s overall percentage of risk in the region.

The FY 2018 hub allocation risk percentages are virtually unchanged from FY 2017. This is due to the fact that population and economic data are only refreshed biennially and are not due to be updated again until 2018. There was also almost no change in the asset risk distribution percentages, given that our asset database is now mature and analytically robust from the data clean up undertaken last year.

The table below provides the FY 2018 hub risk allocation percentage results as compared to FY 2017. As always, upon request, the Management Team will be happy to meet with jurisdictions to review in detail the hub funding formula process and updates.

<b>Hub</b>	<b>FY 2017 Allocation Percentage</b>	<b>FY 2018 Allocation Percentage</b>
East	23.46%	23.46%
North	6.83%	6.83%
South	24.53%	24.53%
West	45.19%	45.18%
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>