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## CLOSING THE TECHNOLOGY GAP: PARTNER FORCE DIGITAL TOOLS FOR INFORMATION ADVANTAGE, PROJECT I-SHAREINFORMATION SHARING, AND HOSTING ADVANCED REMOTE ECOSYSTEM ASSESSMENTS

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**MONTEREY, CALIFORNIA** 

## ANNEX TO DEFENSE ANALYSIS CAPSTONE REPORT

(3 of 5: Data Charts)

CLOSING THE TECHNOLOGY GAP: PARTNER FORCE DIGITAL TOOLS FOR INFORMATION ADVANTAGE, PROJECT I-SHARE-INFORMATION SHARING, AND HOSTING ADVANCED REMOTE ECOSYSTEM ASSESSMENTS

by

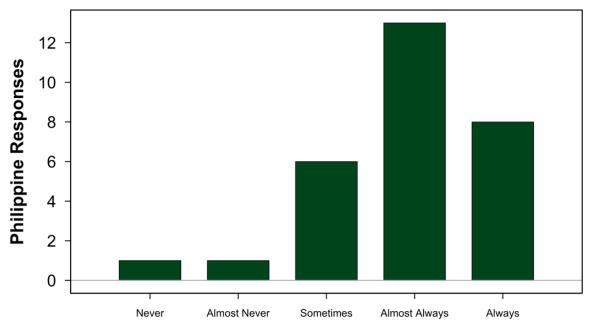
Patrick M. Foley and Peter L. Harris

December 2022

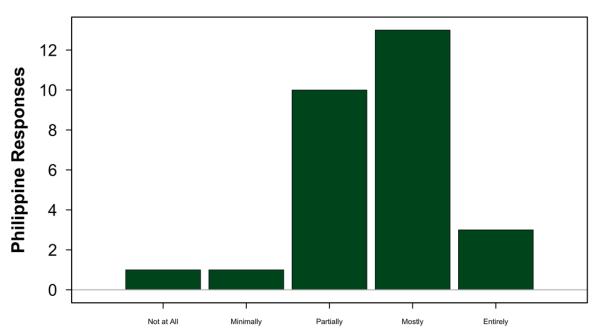
Thesis Advisor: Co-Advisor: Second Readers: Shannon C. Houck Leo J. Blanken Michael R. Stevens Jr. Eric Roles,

1st Special Forces Command

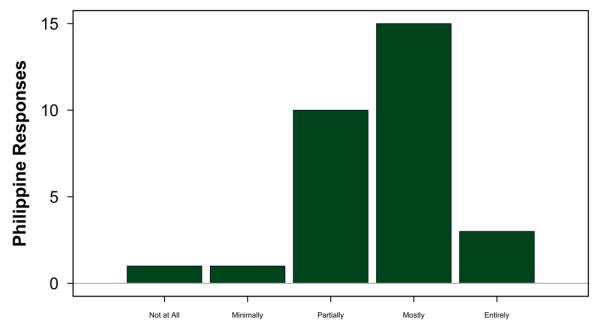
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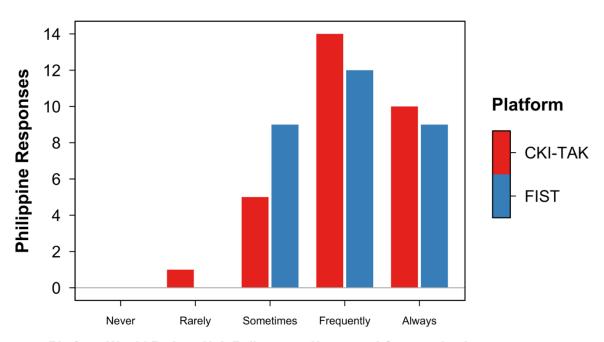
Unit Would Accept Info From the US via FIST During Exercises



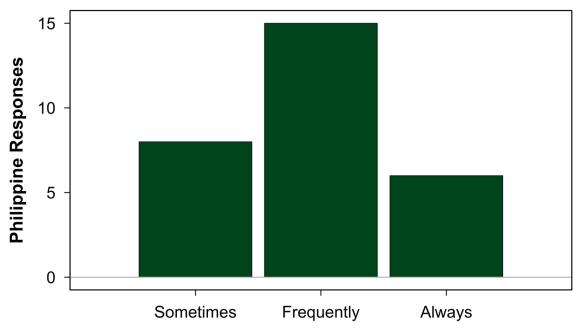
FIST Meets Unit Needs to Share Operational Info



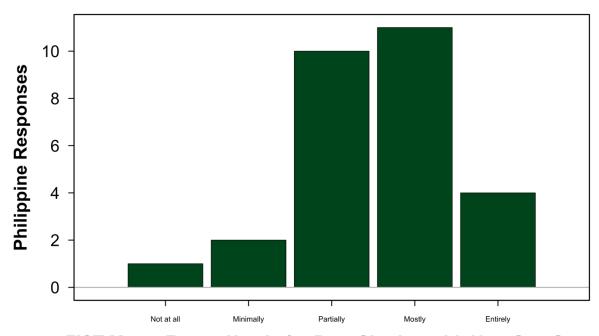
FIST Meets Requirements to Share Operational Info



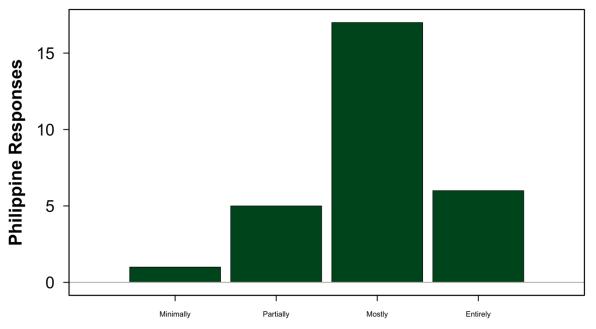
Platform Would Reduce Unit Reliance on Unsecured Communications



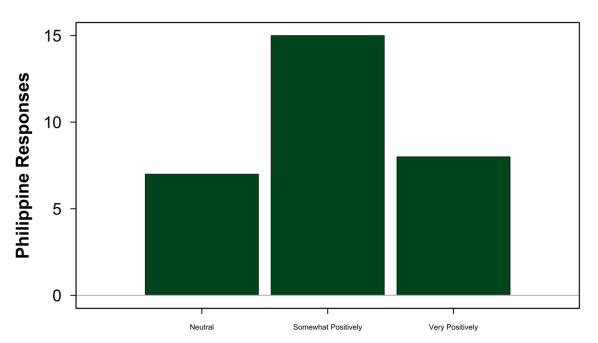
FIST type tools Increase Capacity to Share Operational Info



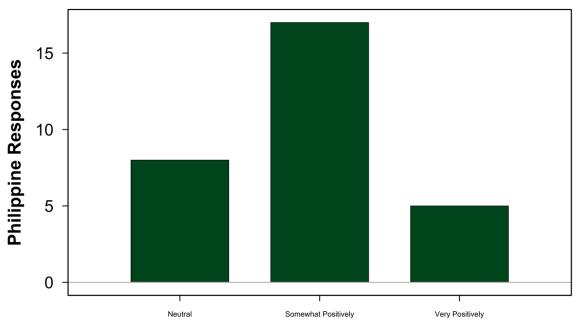
FIST Meets Future Needs for Data Sharing with Non-Gov Orgs



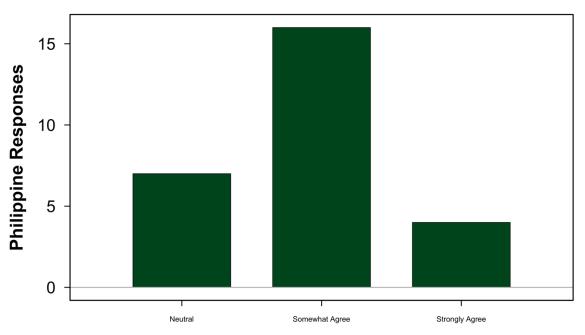
**Does FIST Meet Future Needs for Unit Internal Data Sharing?** 



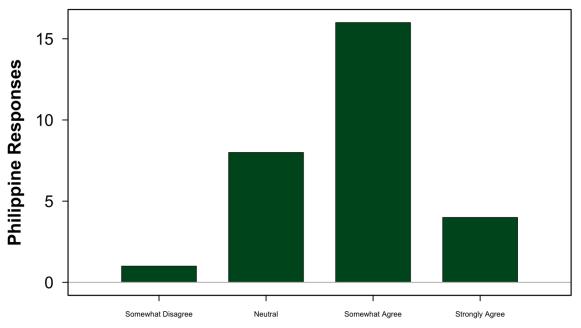
**Does FIST Meet Unit Requirements for Medical Evacuation?** 



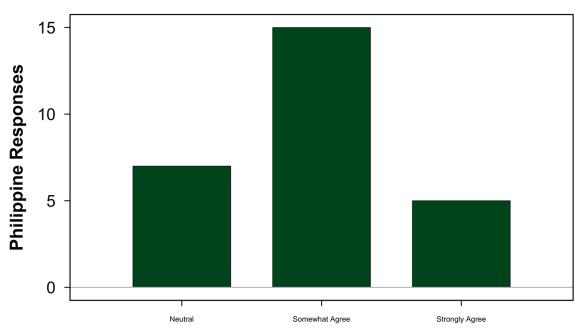
FIST allows unit to meet Requirements: Situational Awareness



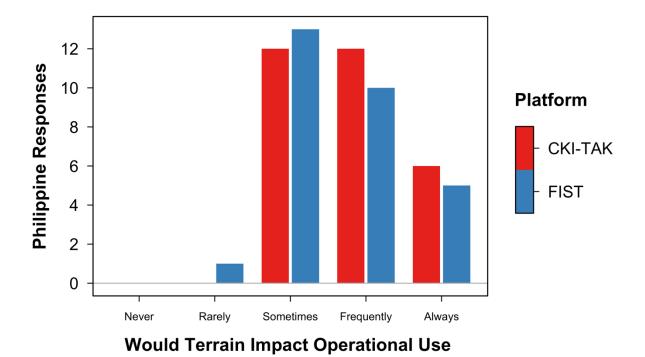
Does FIST have appropriate format for units requirements?

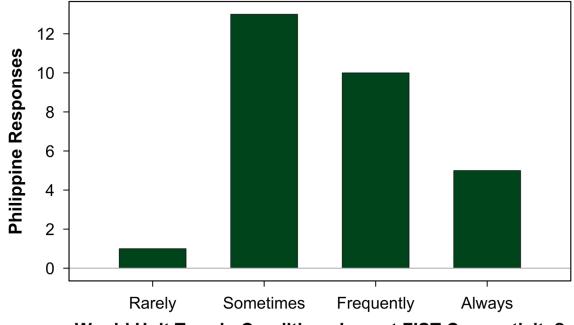


Does FIST have appropriate language for units requirements?

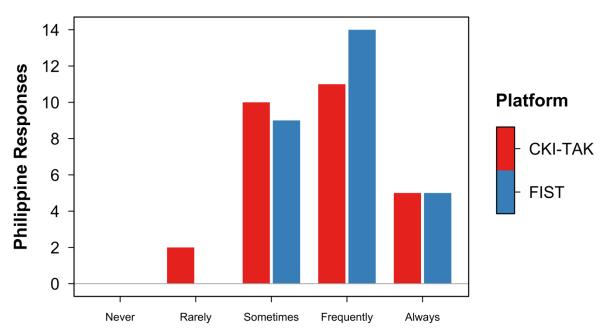


**Does FIST Allow Units to Meet Timeline Requirements?** 

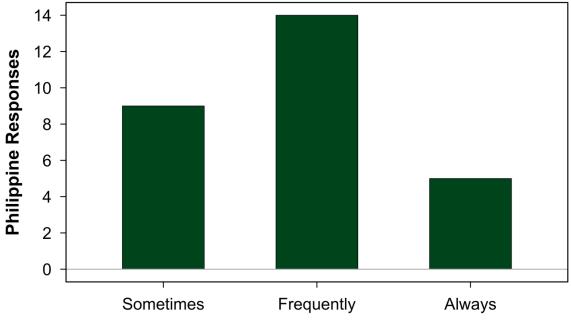




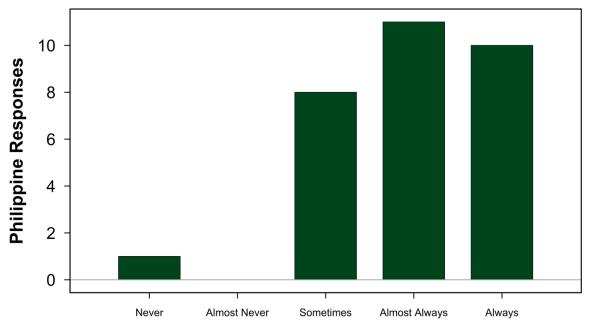
**Would Unit Terrain Conditions Impact FIST Connectivity?** 



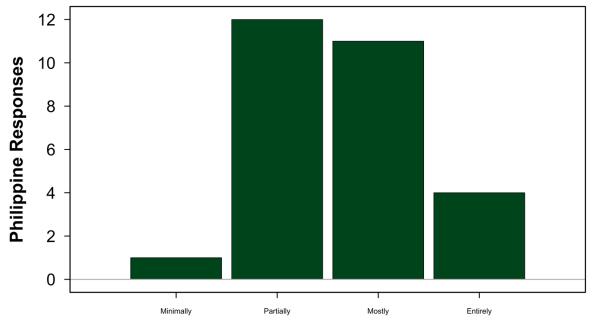
**Does CKI-TAK/FIST Meet Your Unit Operational Requirements?** 



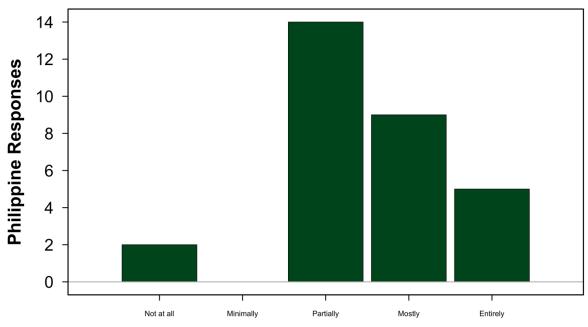
**Does FIST Meet Unit Operational Requirements?** 



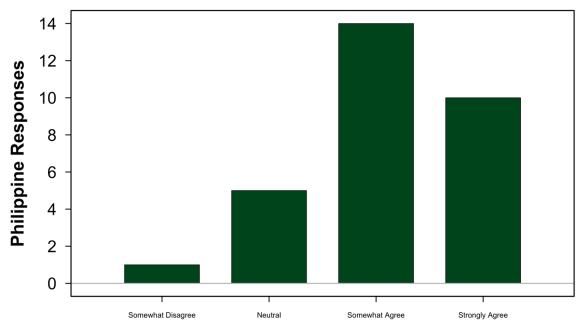
Unit Would Accept Info From the US on CKI-TAK During Exercises



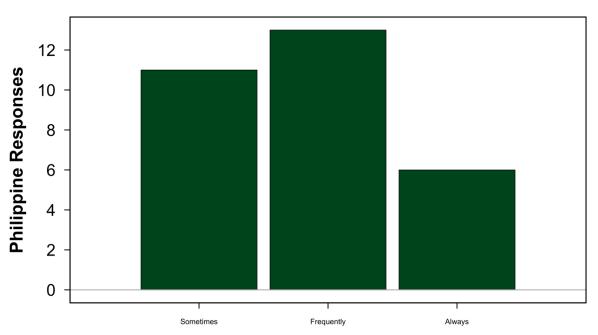
**CKI-TAK Meets Unit Needs to Share Operational Info** 



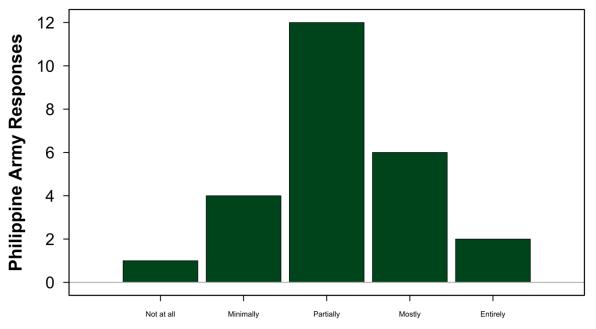
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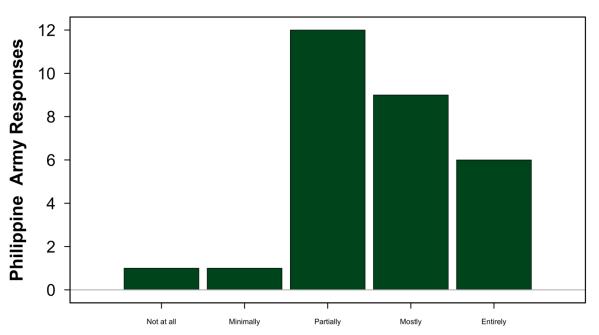
**CKI-TAK Use Would Reduce Use of Unsecure Chat Platforms** 



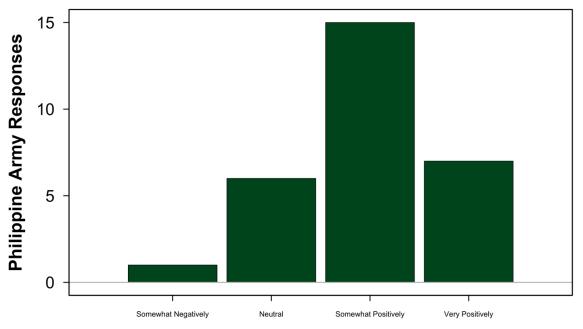
**CKI-TAK** type tools Increase Capacity to Share Operational Info



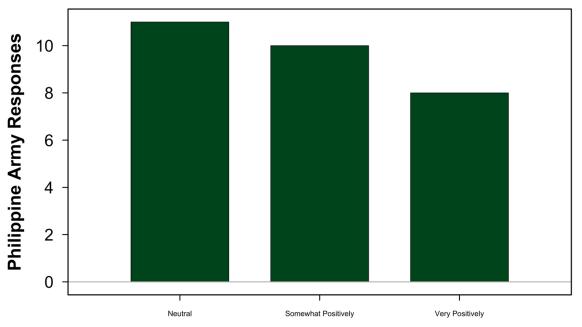
**CKI-TAK Meets Future Needs for Data Sharing with Non-Gov Orgs** 



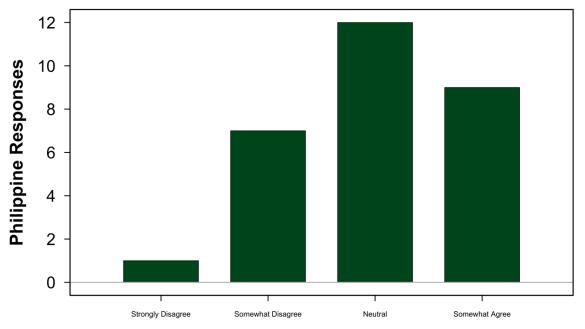
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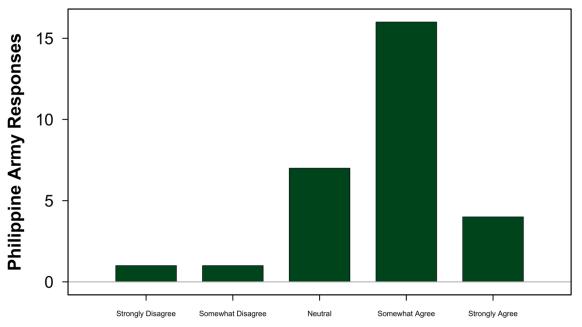
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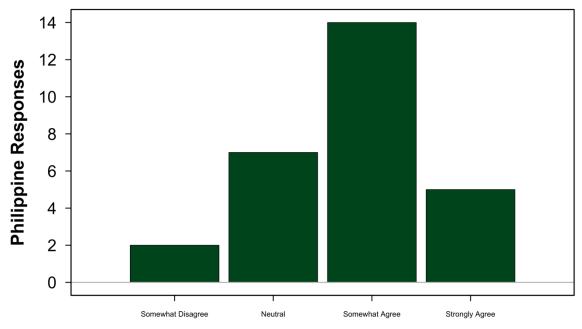
Does CKI-TAK Meet Unit Requirements for Situational Awareness?



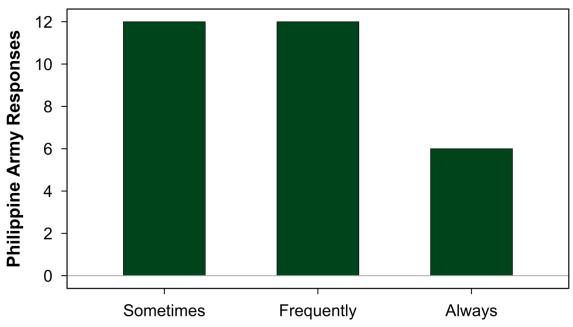
Does CKI-TAK have appropriate format for units requirements?



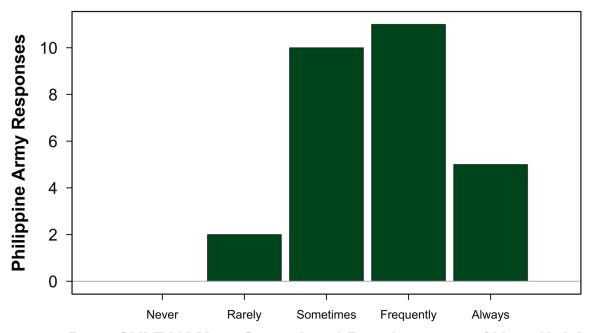
Does CKI-TAK have appropriate language for units requirements?



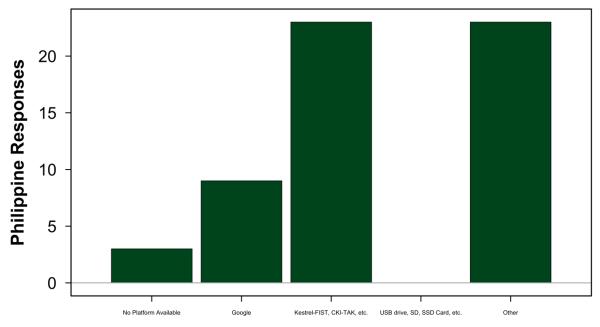
Does CKI-TAK Allow Units to meet Timeline Requirements?



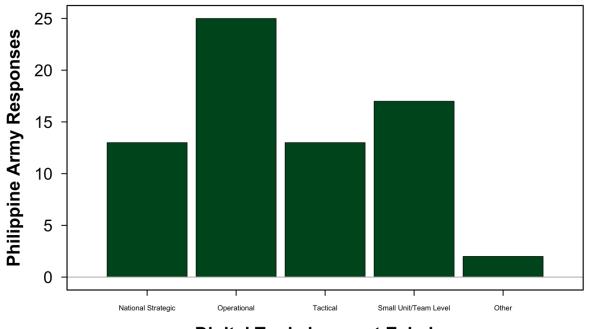
Do Unit Terrain Conditions impact CKI-TAK Connectivity?

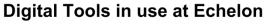


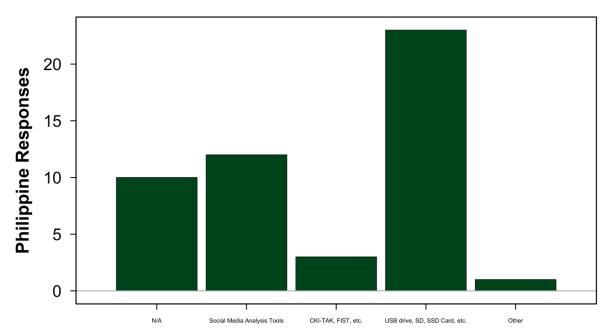
**Does CKI-TAK Meet Operational Requirements of Your Unit?** 



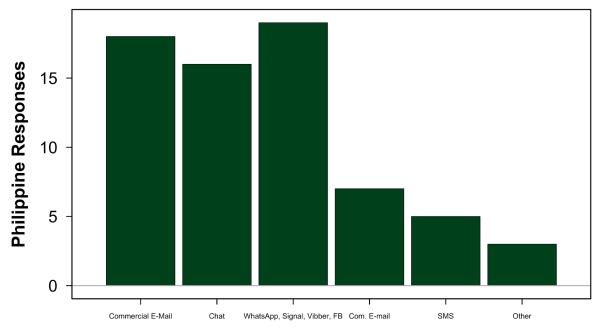
Digital tools used to understand the operating environment



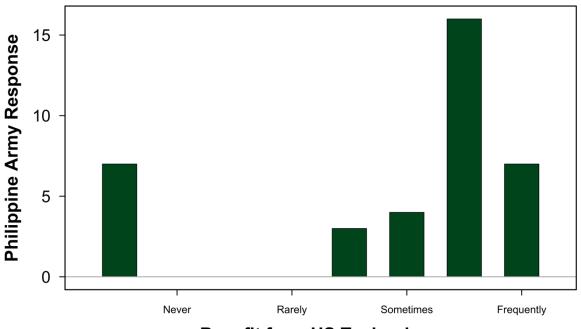




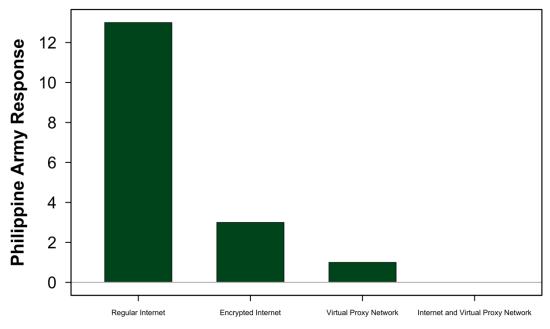
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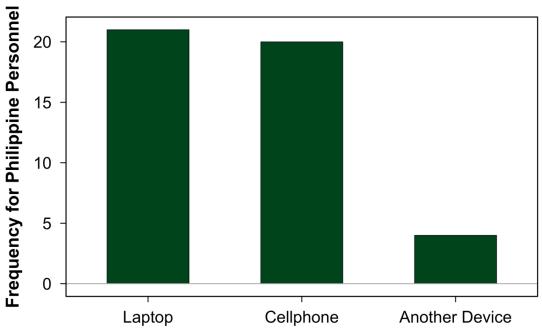
**Current Methods for Sharing Data and Information Within Your Unit** 



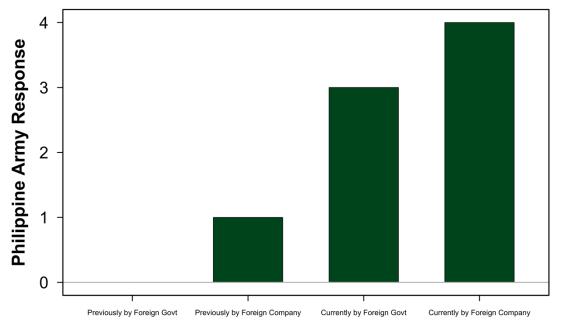
**Benefit from US Technology** 



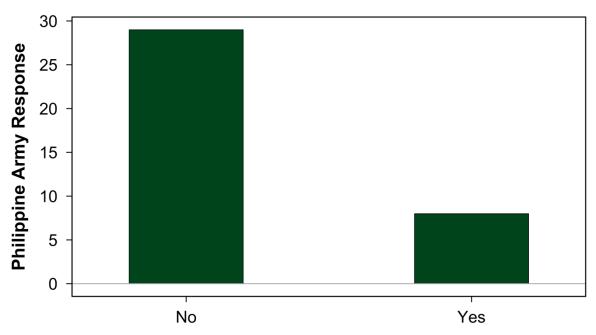
**Types of Internet Security Provided from MOD** 



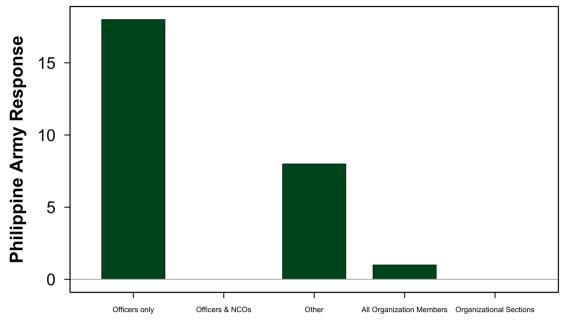
**Types of Devices Provided from MOD** 



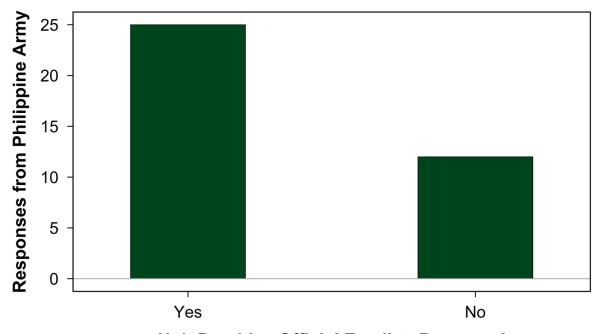
**Digital Tools Providers From Foreign Entity** 



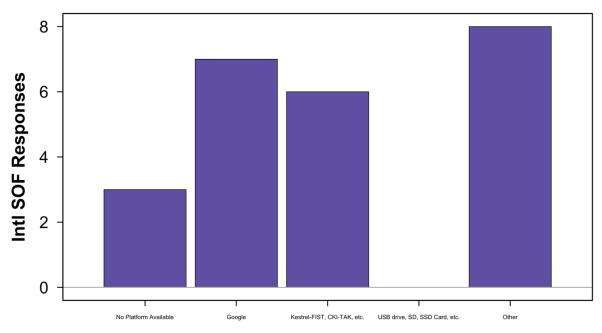
Digital tools Provided to Unit by a Foreign Entity



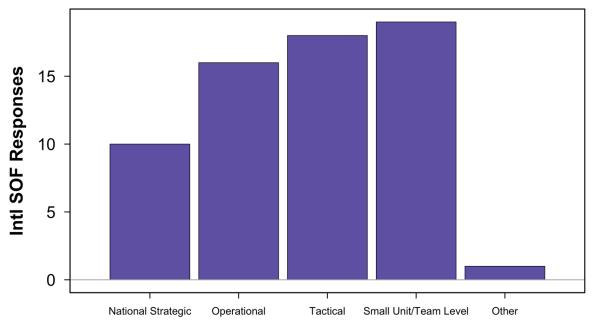
**Unit E-mail Account Recipients** 



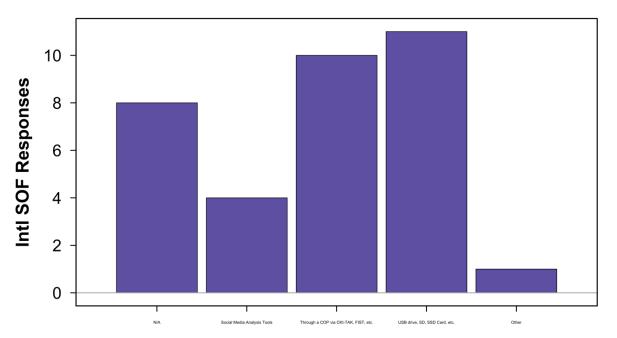
**Unit Provides Official Email to Personnel** 



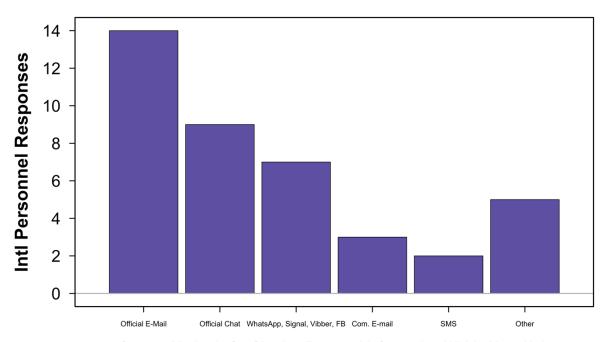
Digital tools used to understand the operating environment



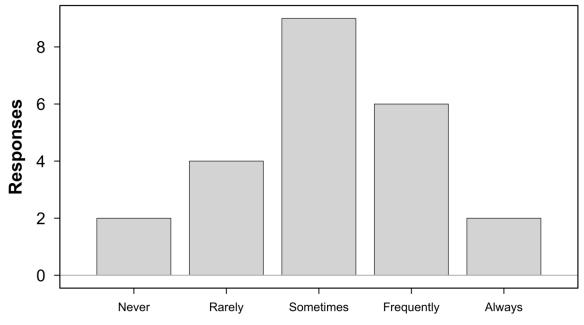
Digital Tools in use at Echelon by Intl Units



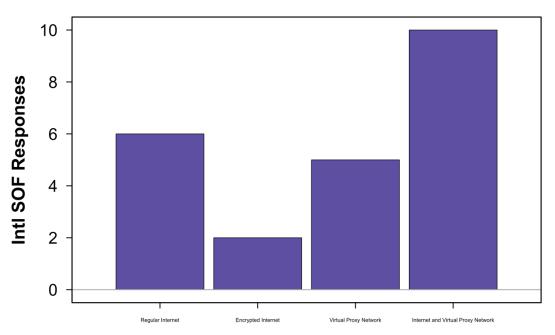
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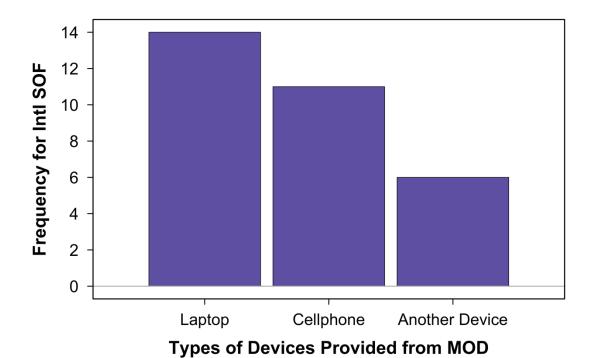
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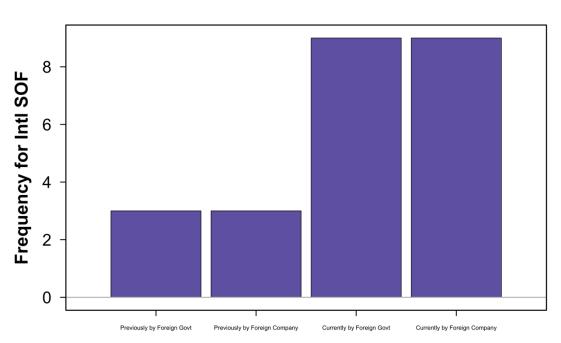


Benefit from US Technology (US Intl Survey)

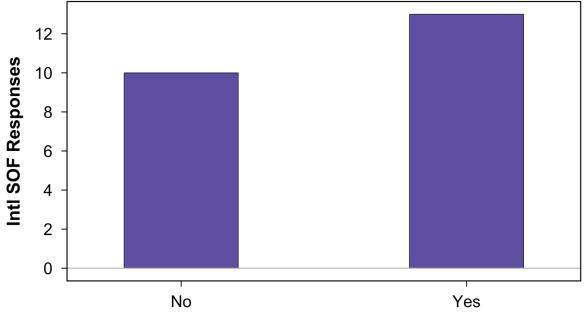


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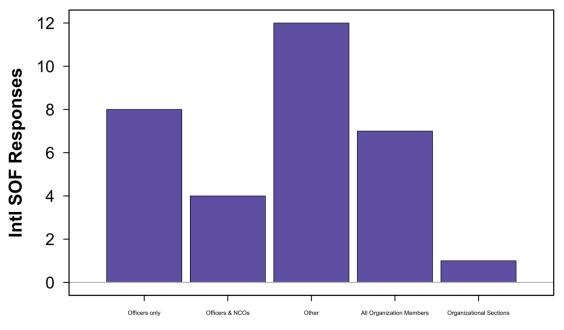




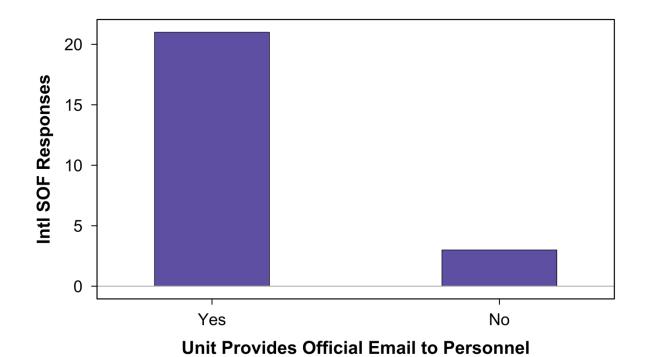
Organizations in Receipt of Digital Tools From Foreign Entity

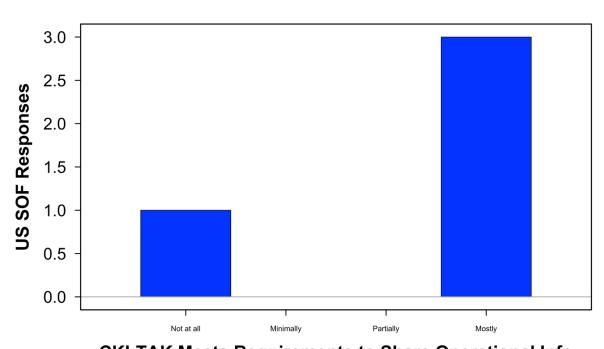


Digital tools provided by Foreign Entity to Intl Forces

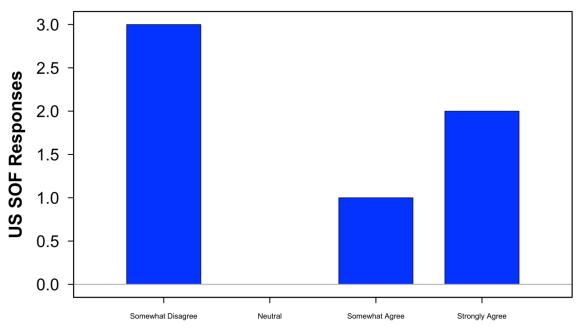


**Unit E-mail Account Recipients** 

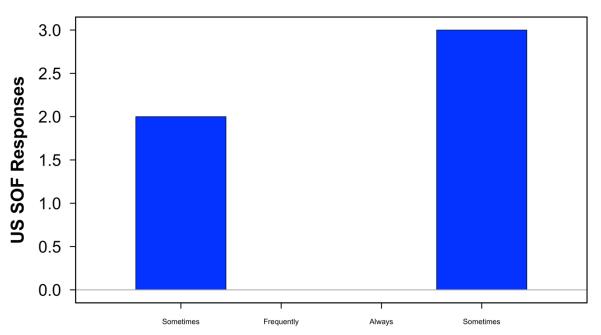




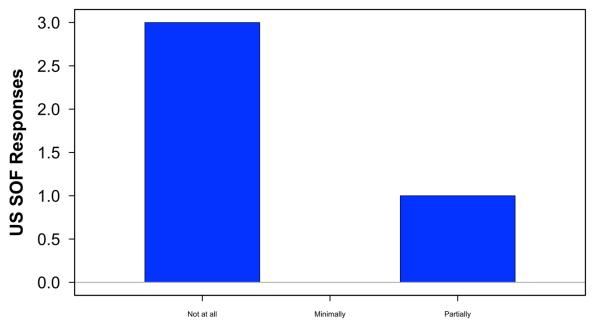
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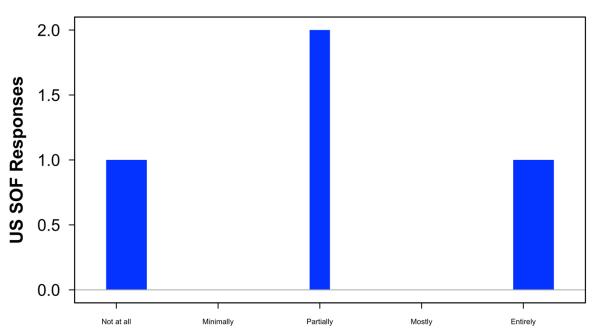
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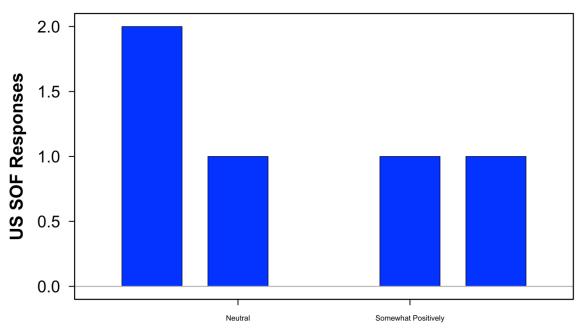
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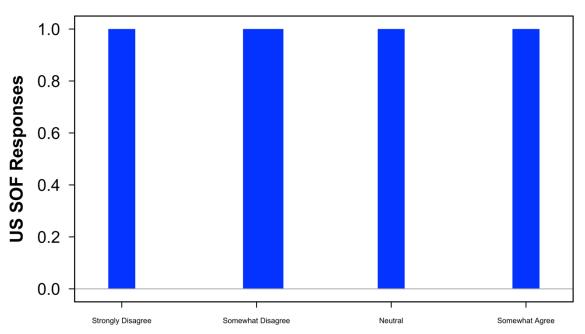
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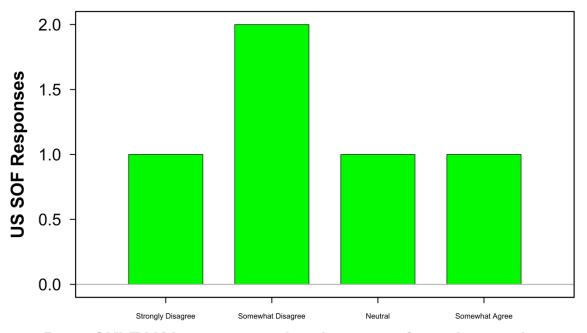
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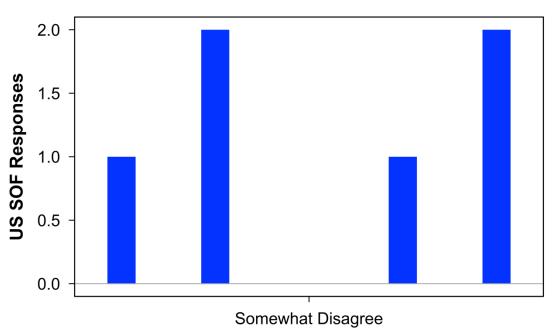
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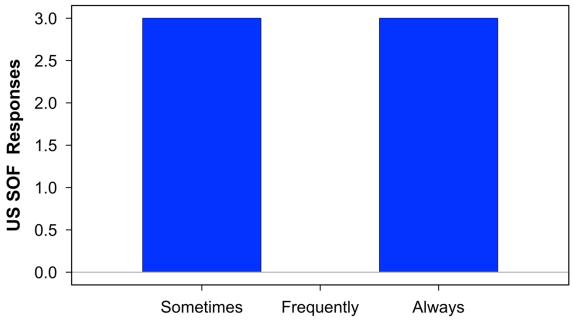
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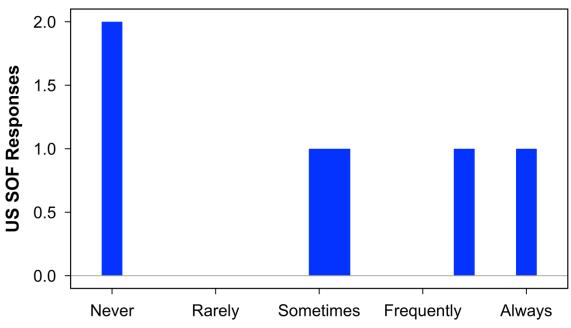
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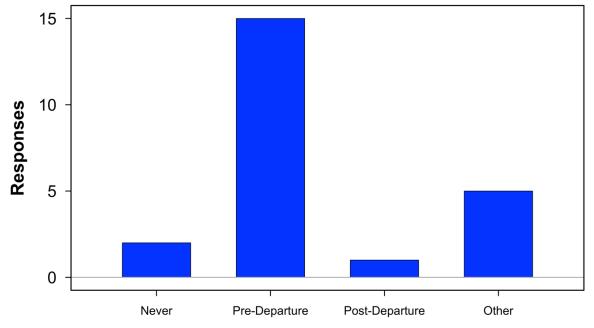
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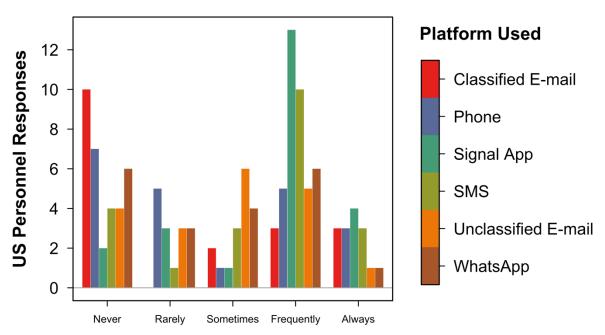
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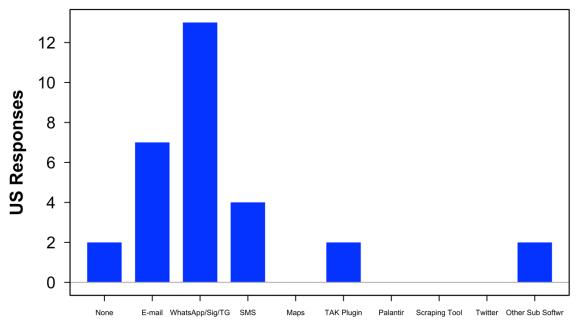
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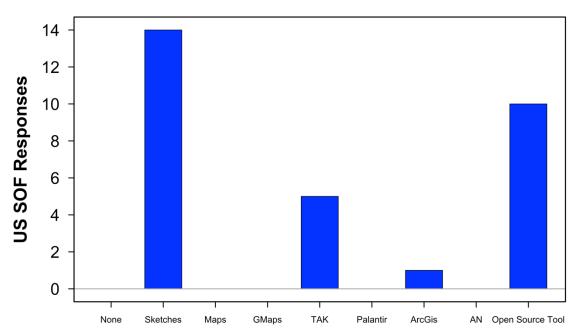
When Did Partners Stop Updating Your Team During Redeployment



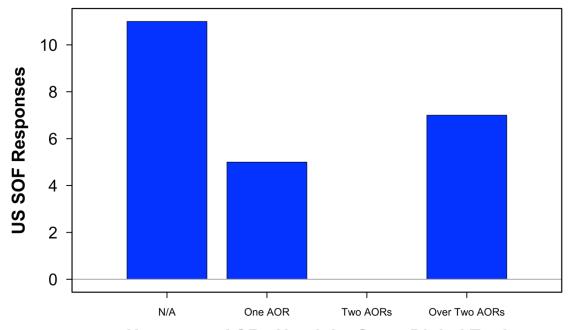
**Communicating with Partner Force During Transition** 



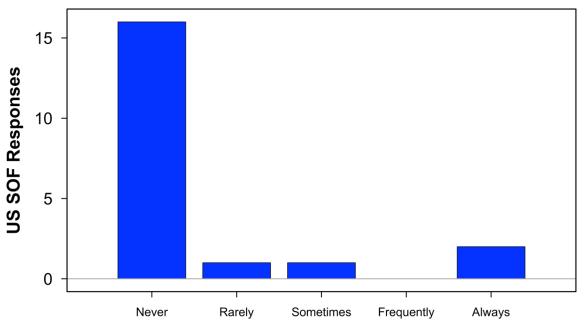
Partner Tools for Describing Cyber Environment to US SOF



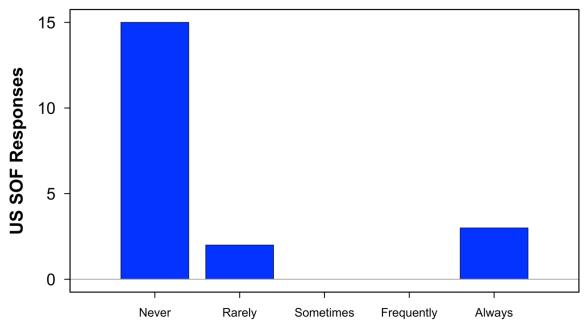
Civ-Mil Tools used by Partner Force to Communicate with US SOF



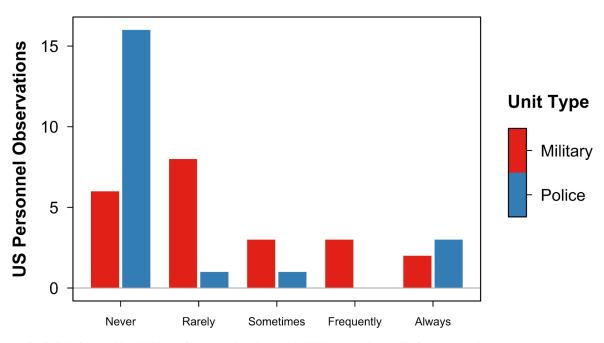
**How many AORs Used the Same Digital Tool** 



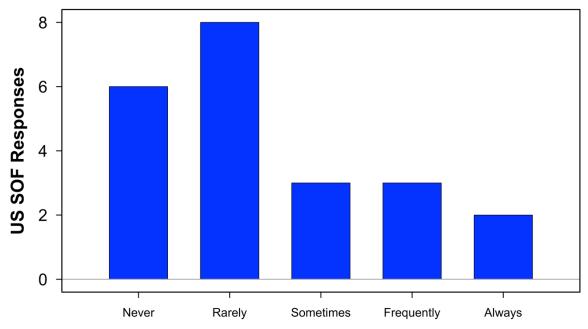
DoD Platform Used when Sharing with Foreign Civil-Society Groups



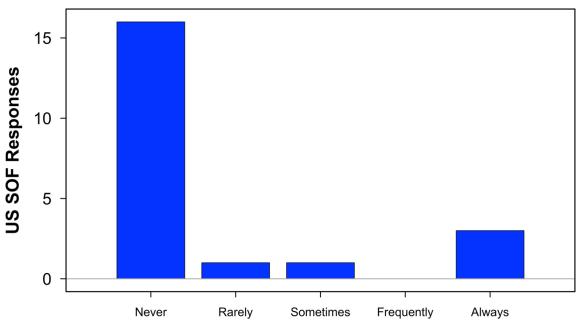
**DoD Platform Used when Sharing with Foreign Government** 



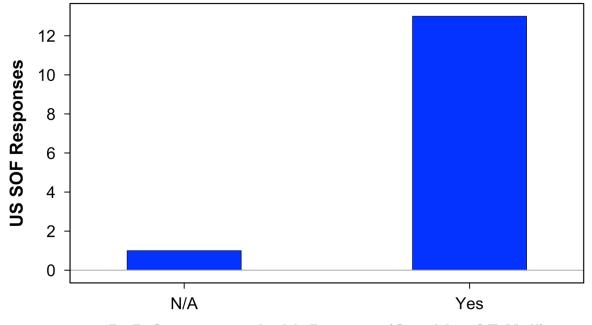
DoD Platforms Used When Communicating with Military and Law Enforcement Partners



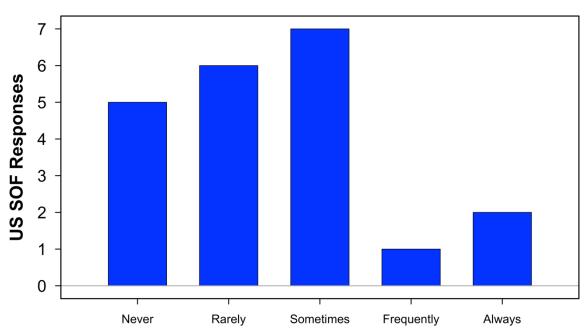
**DoD Platform Used when Sharing with Foreign Military** 



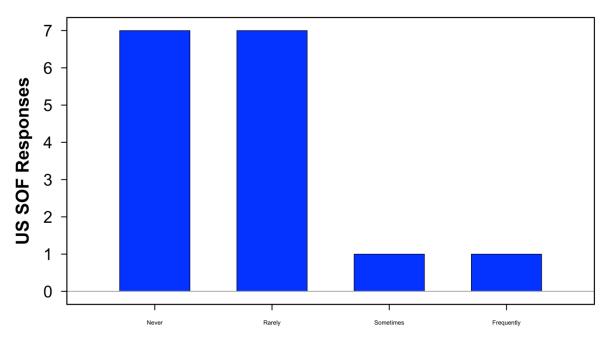
**DoD Platform Used when Sharing with Foreign Police** 



DoD Comms used with Partners (Outside of E-Mail)



Foreign Military With Secure Means to Share with SOF



Foreign Police With Secure Means to Share with SOF