

An overview of a decentralized secure working environment in an international context

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I. INTRODUCTION

As of 2008 there is a Belgian presence in the German owned PRT compound in Kunduz Afghanistan. The CIS infrastructure that we had deployed and installed in Kunduz has gradually gained complexity due to the German driven expansion of the compound and the addition of various Belgian detachments. Today the PRT Kunduz is one of the most decentralized locations where we operate. The complexity of the compound was not the only challenge that was encountered. During the years the need for secure working systems grew resulting in an initial deployment of a (D)SDN network in the compound in 2010 and an expansion in 2012 making the PRT Kunduz the biggest secure, decentralized, tactical and operational CIS deployment so far.

II. MAIN TOPICS

During the presentation we will elaborate various aspects of this particular deployment following the logical steps of problem identification, the creation of a solution and finally identifying lessons learned. The discussed features can be categorized in three main groups: cabling challenges linked to the particular layout of the compound, the specific aspects when dealing with a major change in the (D)SDN deployment and an overview of our international partners CIS infrastructure.

A. *Cabling*

The cabling category might sound trivial especially for those who know the Belgian – German MOU. In this chapter we will however discuss some aspects that are not covered by this document and show some out of the box reasoning to handle trivial problems that have, due to some external constraints, grown into CIS nightmares.

B. *(D)SDN*

The second part of the presentation will focus on the particularities of the (D)SDN network. The focus will be on the CIS and security aspects. While we will slightly touch branch two and three's lack of applications on this network, it will not be the main effort during this phase..

C. *International Partners*

The third and last aspect of our imaginary visit to Kunduz will be some short considerations and observations on our international colleagues. Here we will compare the German and Dutch CIS means, infrastructure and procedures with our own..

III. CONCLUSION

In brief this presentation can be seen as an overview of the Kunduz deployment or as a debriefing with various lessons learned. In any case we will try to keep things light, genuine and on a graspable level.