



# DAF ENTERPRISE NETWORK ROADMAP

IMPACT TO THE DAF . . .



SCALABLE



RESILIENT



STREAMLINED

. . . NETWORK OF THE FUTURE

Publication: 2 AUG 2023

Initiate Next Generation Gateway work and launch ABMS DI Network

Mature operations for the ABMS DI Network, begin to scale, and initiate Enterprise infrastructure modernization

Begin integration of ABMS and Enterprise networks, initiate JRSS sunset, and scope the next generation WAN offering

Continuously improve on resilient communications baseline

## COMPONENTS & EXPLANATIONS

FY 23

FY 24

FY 25

FY 26 – FY 30

Q3

Q4

Q1

Q2

Q3

Q4

Q1

Q2

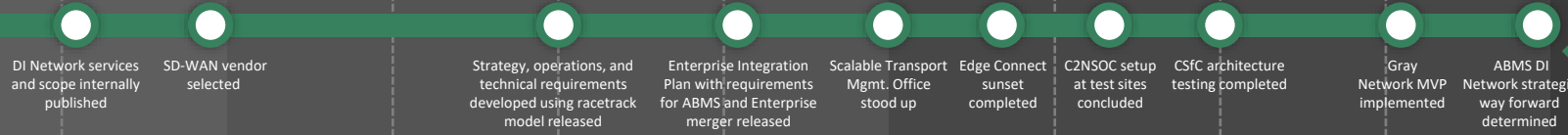
Q3

Q4

ABMS Solution

### ABMS DI Network

Establish and implement Digital Infrastructure network to host battle management and C2 related traffic.



### CSfc

Deploy NSA approved Commercial Solutions for Classified architecture to secure classified traffic at scale.



### SD-WAN Tech & Policy

Bolster network resilience with SD-WAN technology to intelligently prioritize traffic according to application and network conditions.



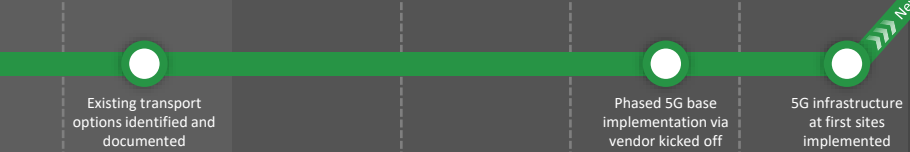
### Next Gen Gateway

Allow for the sunset of JRSS and provide the hardware foundation for the Zero Trust Policy Enforcement Point.



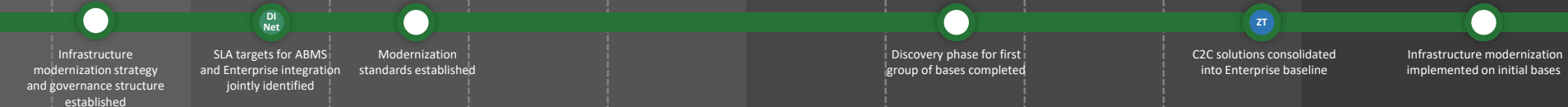
### Transport

Provide multiple connectivity modalities that provide resistance to disruption and rapid scalability.



### Infrastructure Modernization

Improve current NIIPNet/SIPNet wired and wireless services with upgrades at the base level.



Enterprise Network Solution

**Legend:**

Milestone Dependent on a Swimlane or Capability:

- DI Net ABMS DI Network
- ZT Zero Trust

Swimlane Dependent on a Major Decision Point:

## FAQs

**Question 1:** Why does the ABMS DI Network Swimlane include milestones related to CSfC NGG, SD-WAN Tech and Policy, etc. when those topics are separate swimlanes?

**Answer:** *The ABMS line includes milestones across a wide variety of components that form the ABMS network solution. The remaining 5 swimlanes are part of the Enterprise solution and only contain milestones that are applicable to the entire Enterprise.*

**Question 2:** Does CSfC refer to network or endpoint solutions?

**Answer:** *It refers to both. However, the Enterprise will be addressing endpoint CSfC more fully as a part of the impending Core Services Roadmap.*

**Question 3:** Is “infrastructure modernization” the same thing as BIM?

**Answer:** *BIM is a specific acquisition strategy. The infrastructure modernization line outlines what needs to happen and when, to adequately modernize the infrastructure so that it can support the Network of the future.*

**Question 4:** What do the dotted lines within the Network roadmap swimlanes mean?

**Answer:** *A dotted line indicates the milestone preceding it is a major decision point. The milestones on the dotted line have been based on an assumed outcome of that decision point. If a different decision is made, a new roadmap will be released in the quarterly roadmap update reflecting the decision outcome.*

**Question 5:** Will Enterprise SD-WAN replace AFNET?

**Answer:** *SD-WAN will act as the controller of traffic within the upgraded network. The Network Roadmap, and its associated swimlanes (Network Components), will represent an upgraded version of the AFNET’s WAN service and will optimize traffic based upon the current connectivity conditions and associated data flows.*

## ACRONYMS

Acronym/Term	Definition
5G	5 <sup>th</sup> Generation Cellular Networks
ABMS	Advanced Battle Management System
AFNET	Air Force Intranet
BIM	Base Infrastructure Modernization
C2	Command and Control
C2C	Comply-to-Connect
C2NSOC	Command and Control Network Security Operations Center
CONOPS	Concept of Operations
CSfC	Commercial Solutions for Classified
DAF	Department of the Air Force
DI Net	Digital Infrastructure Network
JRSS	Joint Regional Security Stack
MVP	Minimum Viable Product
NGG	Next Generation Gateway
NIPRNet	Non-Secure Internet Protocol Routed Network
NSA	National Security Agency
OEM	Original Equipment Manufacturer
SD-WAN	Software-Defined Wide Area Network
SIPRNet	Secure Internet Protocol Router Network
SLA	Service Level Agreement
WAN	Wide Area Network
ZT	Zero Trust