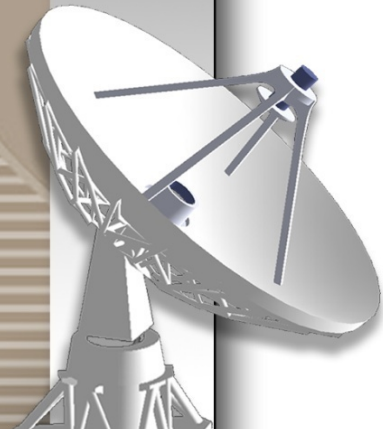FORNSAT

SKID ROWE

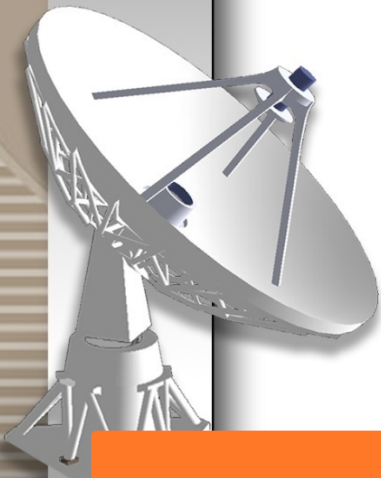# Low Speed DNI processing solution

Replacing WEALTHYCLUSTER2

Derived From: NSA/CSSM 1-52
Dated: 20070108
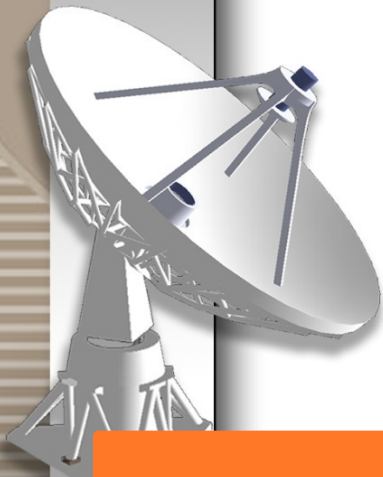Declassify On: 20370101

SKIDROWE

- Components

- WEALTHYCLUSTER to TURNWEALTHY

- Capabilities of SKIDROWE by component

Components

- ## SKIDROWE is comprised of:
  - ### TURNWEALTHY
    - Signal Acquisition
  - ### vPCS
    - Real time packet exploitation
  - ### XKEYSCORE
    - Selection and Filtering
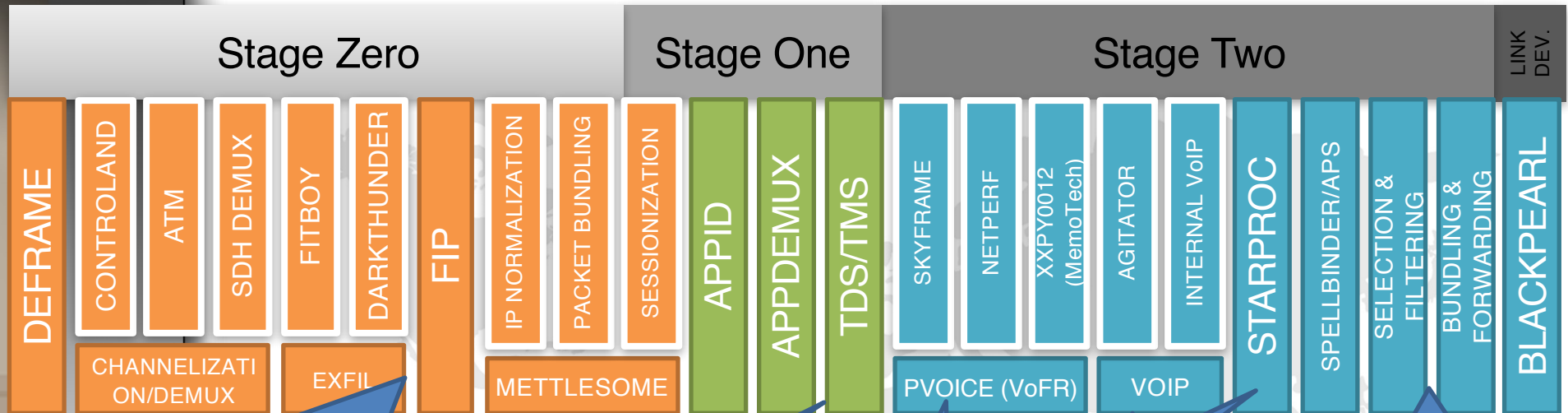
Functionality

- Allows 100% promotion of data for content selection and scanning

- GENESIS language fingerprint capability for XKS

- Real-time capabilities for cyber through VPCS

  - Efficient: No duplication in processing functionality between vPCS and XKS

WEALTHYCLUSTER to TURNWEALTHY

FORNSAT

(TS//SI//REL)

Stage Zero

DEFRAME

CONTROLAND

ATM

SDH DEMUX

FITBOY

DARKTHUNDER

FIP

IP NORMALIZATION

PACKET BUNDLING

SESSIONIZATION

CHANNELIZATION/DEMUX

EXFIL

METTLESOME

Stage One

APPID

APPDEMUX

TDS/TMS

Stage Two

SKYFRAME

NETPERF

XXPY0012 (MemoTech)

AGITATOR

INTERNAL VoIP

STARPROC

SPELLBINDER/APS

SELECTION & FILTERING

BUNDLING & FORWARDING

BLACKPEARL

PVOICE (VoFR)

VOIP

LINK DEV.

WC2 Appl

TURI

METTLESOME is essential for the ability of TURNWEALTHY to have multiple simultaneous outputs. FIP only produces sessionized output so the exfil capability must be removed.

Application Layer Processors (StarProc) no longer delivered for WEALTHYCLUSTER.

The Selection &Filtering, and Bundling & Forwarding capabilities are not used in TW.

With Stage 2 Phased Out, AppDemux, TDS and TMS are no longer utilized.

The VoFR processing capabilities of PVOICE are not replicated elsewhere and will be maintained.

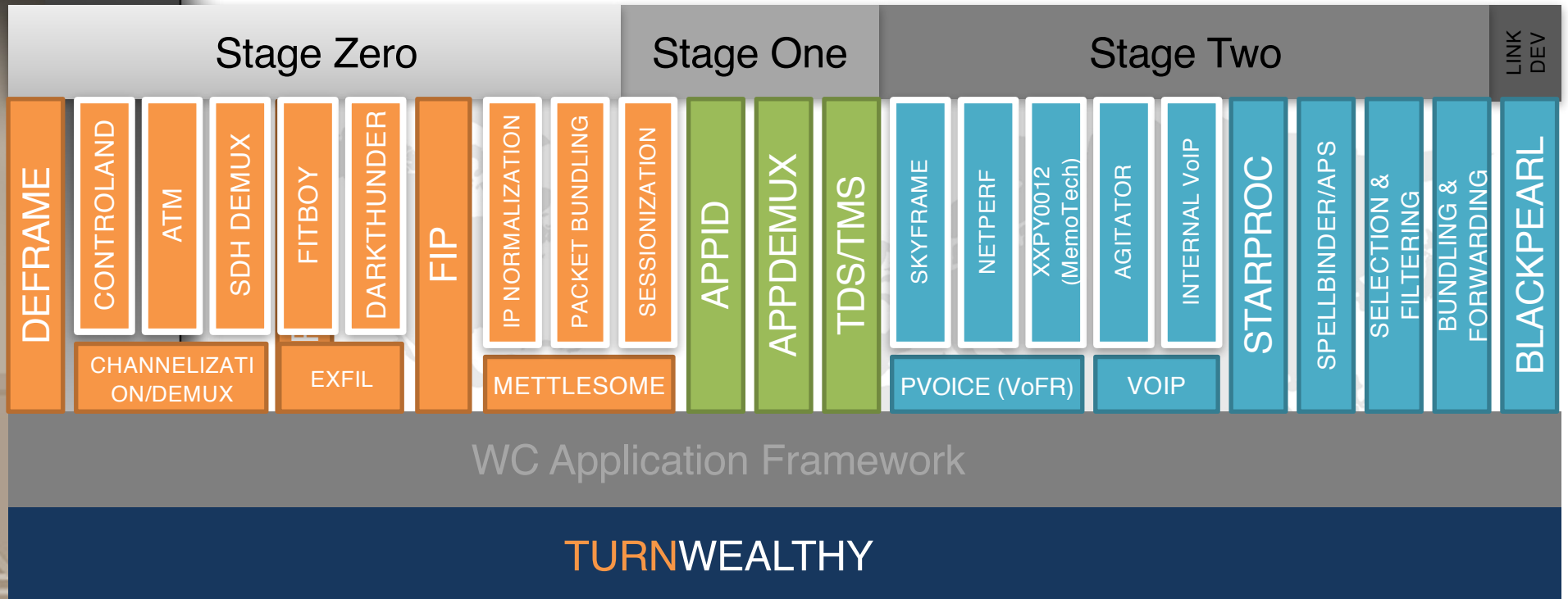VoIP Capabilities in WEALTHYCLUSTER are obsolete. FOPs are a more relevant solution.

FORNSAT

WEALTHYCLUSTER to TURNWEALTHY

(TS//SI//REL)

TURMOIL Capabilities

FORNSAT

PA

PSP

Tech Promote

Rules

PSC

Compress

SIGDEV Promotion

BLACKALCHEMY

BLACKGOLD

BLACKFIRE

Time Metrics

MONKEYMIND

BCD

Shared APPS

Shared CWB

Protocol 1

Protocol 2

Protocol 3

Protocol 4

Protocol 5

EvViper

Viper CWB

Viper Bridge

QUANTUM

MISTYPEAK

Protocol 1

Protocol 2

Protocol 3

Protocol 4

Protocol 5

WF Commons

WF CWB

Detunnel TE

Wing Span

Peering Bridge

VALIANTSURF

GALLANTWAVE

SWINE

BLUESNORT

Inspector

TOSSSWUNG

GNOMEVISION

GNOMEGOGGLES

HIDDENSALAMANDER

Shared CWB

Core Extension-U

OIL Core 3.4

Metadata generation functionality is in XKEYSCORE

Strong Selection and BCD functionality is in XKEYSCORE

VOIP Processing will be done in XKEYSCORE

XKEYSCORE performs GALLANTWAVE decrypt

SKIDROWE
Lower Speed DNI Processing Solution

FORNSAT

DEFRAME

CONTROLAND

ATM

SDH DEMUX

CHANNELIZATION/DEMUX

DARKTHUNDER

IP NORMALIZATION

PACKET BUNDLING

SESSIONIZATION

METTLESOME

APPID

SKYFRAME

NETPERF

XXPY00T2 (MemoTech)

PVOICE (VoFR)

BLACKPEARL

WC2 Application Framework

TURNWEALTHY

QUANTUM

MISTYPEAK

Protocol 1

Protocol 2

Protocol 3

Protocol 4

Protocol 5

WF Commons

WF CWB

Detunnel TE

Wing Span

Peering Bridge

VALIANTSURF

SWINE

BLUESNORT

Inspector

TOSSSWUNG

GNOMEVISION

GNOMEGOGGLES

HIDDENSALAMANDER

Shared CWB

Core Extension-U

TURMOIL Core 3.1

GALLANTWAVE

VoIP

STARPROC

SELECTION & FILTERING

BUNDLING & FORWARDING

GENESIS

XKEYSCORE