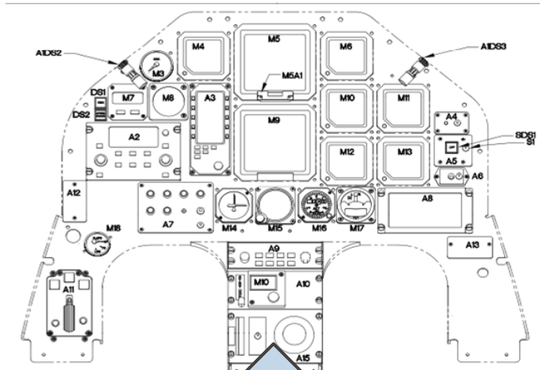
T6A System Block Diagram

Modernization - 20180303, REV-0

Refer to Area Allocation drawing 6520AEF001 for designations, descriptions, and associated drawing numbers.



IA IA IA IA IA IA

LC LC LC LC LC AC

RUDDER ACTUATOR
ELEVATOR ACTUATOR
AILERON ACTUATOR
L-BRAKE ACTUATOR
R-BRAKE ACTUATOR
SEAT ACTUATOR

SERVO AMP ×6

Control Loading (C/L) Patch Assembly (7A1) (ACJ411)

C/L RackTangle I/O Chassis (7A1A1)

NIC 1, NIC 2

ARINC-429 Avionics Data Digital, Analog, & RS-422 Serial I/O

Interface Card Rack Assembly (9A2A3) (6916AB0050)

ARINC-429 Avionics Data Digital, Analog, & RS-422 Serial I/O

Equipment Cabinet (9A2) (AB0101)

SimIO Racktangle Chassis (9A2A1A1) 6916AB0310

SimIO Racktangle Chassis (9A2A1A2) 6916AB0310

Microphone Preamplifiers (AGA061)

Audio Power Amplifier (9A3A6) (ABN200)

Hono Audio Interface ASI2416-1000-2000 (9A3A5) (ABN200)

CLIOS Server

Control Loading (C/L), Input/Output, and Sound (CLIOS) Server (9A3A3) (ABB100)

XA1 Port 1, Port 1, Port 2, Port 3, Port 4, Port 5, Port 6, Port 7, Port 8

UDP - W2034

UDP-W2035, UDP-W2001, UDP-W2029, UDP-W2041, UDP-W2025, UDP-W2039, UDP-W2019, UDP-W2013, UDP-W2033

48-Channel Ethernet Switch – Brocade (9A3A6) (ABD050)

Port 35, Port 1, Port 29, Port 41, Port 25, Port 39, Port 19, Port 13, Port 33

Port 34, Port 14, Port 16, Port 20

Port 22, Port 26, Port 30, Port 36, Port 40, Port 42

UDP-W2014, UDP-W2016, UDP-W2020, UDP-W2022

UDP-W2026, UDP-W2030

UDP-W2036, UDP-W2040, UDP-W2042

INSTRUCTOR OPERATING STATION

KVM

CompuSwitch KVM (9A3A7) (ABN200)

KVM

IOS Computer (9A3A2)

XA6 CH2

KVM

120VAC, 60HZ

120VAC, 60HZ

120VAC, 60HZ

RS-232

Uninteruptible Power Supply (9A2A3)

UDP - W2049

120VAC, 60HZ

Top-Cap Projector Assembly

IG7, IG5, IG3, IG1, IG2, IG4, IG6

Network Switch

Visual Control Computer

SH1 CH1

Multicast Ethernet – W2050 – Not in UTD

VX Host Subsystem Computer (9A3A1) (ABB200)

XA7 CH2, XA6 CH2, XA8 CH1

XA7 CH1

XA8 CH2

EXISTING
REPLACED
MODIFIED
SUPERSEDED
MODERNIZED

Preliminary