



Maritime Patrol Aircraft (MPA)
CASA 235-300M



**VTOL Unmanned
Air Vehicle (UAV)**
Bell Eagle Eye HV-911

**High Altitude Endurance
Unmanned Air Vehicle (UAV)**
(Future System)



**VTOL Recovery and
Surveillance Aircraft**
(Future System)



Multi-Mission Cutter Helicopter (MCH)

HC-130



Offshore Patrol Cutter (OPC)
(Future System)



National Security Cutter (NSC)



**Long Range
Interceptor (LRI)**



Fast Response Cutter (FRC)
(Future System)



Modified 123' Patrol Boat

**Short Range
Prosecutor (SRP)**



INTEGRATED COAST GUARD SYSTEMS
DEEPWATER

SYSTEM SOLUTION – ASSETS

NSC CHARACTERISTICS

General Characteristics (Notional):

- Length 425 FT
- Displacement 3,982 LT
- Maximum Beam 54 FT
- Draft, Full Load 21 FT
- Max Speed 29 KTS
- Endurance 60 Days
- Range 12,000 NM
- Crew Berthing 126
- Boat Facilities Dual Stern Launch Ramp, Can Carry up to Two 11 M Long Range Interceptor Boats
- Aviation Facilities Dual Helo Hanger Capability Combination of MCH, HH-60, SH-60, CH-46, MH-60 SeaRAM, 57 MM, .50 Caliber
- Weapons Fueling at Sea, Vertical Replenishment
- Replenishment CODAG, 1 Gas Turbine, 2 Diesels
- Propulsion
- Keel up Design to Meet National Defense and Coast Guard Specific Mission Requirements
- Carries:
 - Long Range Interceptor
 - Short Range Prosecutor
 - VUAV / Helo Deployment Combinations

OPC CHARACTERISTICS

General Characteristics (Notional):

- Length 341 FT, LOA
- Displacement 2,922 LT
- Maximum Beam 54 FT
- Draft, Full Load 17.25 FT
- Max Speed 22 KTS
- Endurance 45 Days
- Range 9,000 NM
- Fuel 400 LT
- Crew 94
- Propulsion 2 Diesels
- Electric Plant 2 SSDGs + 1 Emergency Gen
- Ship Control Integrated Bridge

123' WPB CHARACTERISTICS

General Characteristics:

- Length 123 FT
- Displacement A/B/C Class 174/164/162 LT
- Maximum Beam 21 FT
- Draft, Full Load 7 FT
- Max Speed 28 KTS
- Endurance 5 Days
- Range 3180/3380/3300 NM
- Accommodations 19
- Typical Operating Crew 16
- Propulsion (2) 3,000 BHP Diesel Engines
- Improved Quality of Life and and Dual-Gender Crew Capable
- C4ISR Upgrades – Increased Capabilities in Communications, Detection, Prosecution
- Stern Ramp – Accommodates 1 Short Range Prosecutor (SRP)
- Standard Tow Bitt

FRC CHARACTERISTICS

General Characteristics (Notional):

- Length 130 FT
- Displacement 198 LT
- Maximum Beam 21.8 FT
- Draft, Full Load 7.33 FT
- Max Speed 30 KTS
- Endurance 7 Days
- Range 5,000 NM
- Accommodations 19
- Typical Operating Crew 15
- Propulsion (2) 3,800 BHP Diesel Engines
- Mission Modules (Provisions for) 1 Aft
- Weapons – Stabilized 30MM and .50 Caliber Guns
- Stern Ramp Accommodates 1 Short Range Prosecutor (SRP)
- Replenishment – Fueling at Sea, Vertical Replenishment
- Increased Habitability – 2/4-Person Staterooms
- High Commonality with National Security Cutter (NSC) and Offshore Patrol Cutter (OPC)
- Reduced Signature Through Shaping (RCS)
- Standard Tow Bitt
- 360° Bridge

LONG RANGE INTERCEPTOR CHARACTERISTICS

General Characteristics:

- Length – 11 Meters
- Propulsion – Water Jet Engines for Stern Ramp Capability
- Capacity – Up to 14 Personnel With 150 lbs of Cargo
- Speed – 45 KTS
- Features
 - Slam – Mitigating Seats
 - Enclosed Coxswain Station
 - Radar
 - Over the Horizon Capability with Satcom and GPS
 - Stern Ramp Deployment/Recovery
- Benefits
 - Decreased Fatigue for Boarding Teams
 - Increased Control and Handling
 - Faster, More Effective Prosecution
 - Extended Cutter Reach
 - Faster, Safer Operations with Less Crew

SHORT RANGE PROSECUTOR CHARACTERISTICS

General Characteristics:

- Length – 7 Meters
- Propulsion – Water Jet Engine for Stern Ramp Capability
- Capacity – Up to 10 Personnel with 150 lbs of Cargo
- Speed – 36 KTS
- Features
 - Slam – Mitigating Seats
 - Improved Communication
 - Excellent Sea-Keeping
 - Stern Ramp Deployment/Recovery
- Benefits
 - Decreased Fatigue for Boarding Teams
 - Increased Control
 - Prosecution in Rough Water
 - Faster, Safer Operations with Less Crew

MPA CASA 235-300M CHARACTERISTICS

General Characteristics:

- Length 70.2 FT
- Wing Span 84.7 FT
- Cabin Length 31.6 FT
- Cabin Height 6.1 FT
- Cabin Width Max Width 8.9 FT, Floor Width 7.7 FT
- Maximum Take-off Weight 36,380 lb
- Maximum Landing Weight 36,380 lb
- Maximum Payload 11,200 lb (Cargo Configured)
- Maximum Cruising Speed 236 KTAS
- Maximum Range 2,000 NM (MPA Configured)
- Range with 4000 kg Payload (8800 lbs) 1,030 NM (Cargo Configured)
- Engines General Electric CT7-9C3 Turboprop Engines (2) Hamilton Standard 14RF-37 (Four Blades) 11.5 HRS (MPA Configured)
- Propellers
- Endurance
- Features:
 - Proven Military Twin Turboprop
 - Extended Range Fuel System
 - Palletized Fully Integrated Tactical System
 - Quick Change to Cargo or Passenger Role
 - Rear Cargo Ramp

HAEUAV CHARACTERISTICS

General Characteristics (Notional):

- DoD Surveillance Asset
- Low Risk After USAF Production, Testing, Fielding
- Huge Surveillance Areas Covered per Mission
- >3,000 NM Range, >30 Hours Endurance
- High-Resolution Sensors
- Centralized Control from Ground Control Station
- GCS Integrated into Coast Guard Command and Control
- General Specifications (Notional):
 - Length: 44 FT
 - Height: 15 FT
 - Wing Span: 116 FT
 - Speed: 300 to 400 KT True Air Speed (KTAS)
 - Range: 1,200 NM Radius with 24 Hours on Station
 - Loiter Altitude: 50,000 to 65,000 FT

VUAV CHARACTERISTICS

General Characteristics:

- All Composite Construction
- Fully Shipboard Deployable
- Low Maintenance
- Up to 4 VUAV's per Cutter (National Security Cutter or Offshore Patrol Cutter)
 - Deployable on Current Legacy Deepwater Cutters
- Modular Mission Payloads (FLIR/EO, Radar, etc.)
- High Speed Dash (220 KTS), Cruise (200 KTS)
- Airplane Loiter (90 KTS)
- 5 Hours Endurance
- Maximum Height 5.7 FT
- Maximum Length 17.23 FT
- Maximum Wing Span 23.6 FT