



**Medium Range Surveillance Aircraft  
(MRS) HC-144A**  
(Under Contract)



**High Altitude  
Endurance Unmanned  
Aerial Vehicle (HAEUAV)**



**Long Range Surveillance  
Aircraft (LRS) HC-130J**



**Medium Range Recovery  
Helicopter (MRR) MH-60**



**Multi-Mission Cutter  
Helicopter (MCH) MH-65C**  
(Under Contract)



**Armed Interdiction Helicopter  
(HITRON) MH-68A**  
(Under Contract)



**National Security Cutter (NSC)**  
(Under Contract)



**Vertical Unmanned  
Aerial Vehicle (VUAV)**



**Offshore Patrol Cutter (OPC)**



**Fast Response Cutter (FRC)**  
FRC A  
FRC B



**Long-Range  
Interceptor (LRI)**  
(Under Contract)



**Short Range  
Prosecutor (SRP)**

**INTEGRATED COAST GUARD SYSTEMS**  
**DEEPWATER**

# SYSTEM SOLUTION - ASSETS

## NATIONAL SECURITY CUTTER (NSC)

### Characteristics:

• Ship Control	Integrated Bridge, 360° Visibility
• Length	418 FT (LOA)
• Beam	54 FT
• Draft	21 FT
• Displacement	4,316 LT
• Sustained Speed	28 KTS
• Range	12,000 NM
• Endurance	60 days
• Days Away Homeport	230
• Operational Days	185
• Propulsion	CODAG, (2) Diesel Engines & (1) Gas Turbine
• Weapons	(1) MK 110 57 MM Gun, (1) CIWS, MK 53 NULKA
• Berthing	148

### Features:

- Design meets National Defense, Homeland Security & Coast Guard specific mission requirements
- Stern Launch Ramp accommodates LRI & SRP
- VUAV/ Helo Deployment Combinations

## OFFSHORE PATROL CUTTER (OPC)

### Notional Specs

### Characteristics:

• Ship Control	Integrated Bridge, 360° Visibility
• Length	360 FT (LOA)
• Displacement	3,715 LT
• Sustained Speed	25 + KTS @ 85%MCR
• Range	9,000 NM
• Endurance	45 days
• Berthing	120
• Propulsion	(4) diesel engines
• Weapons	(1) MK 110 57 MM Gun, others TBD

### Features:

- Stern Launch Ramp accommodates LRI & SRP
- Capable to land USCG & NATO helos (incl. SH-60) & also VUAV, MCH

## FAST RESPONSE CUTTER (FRC)

### Notional Specs

### Characteristics:

• Ship Control	Integrated Radar and Display system, 360° Bridge Visibility
• Length	140 FT (LOA)
• Max Speed	30 + KTS
• Range	3,500 NM
• Endurance	7 days
• Crew	22
• Propulsion	(4) diesel engines
• Weapons	(1) 25 MM stabilized, Electro-Optic/Infrared sensors (EO/IR) directed gun, others TBD

### Features:

- Stern Launch Ramp accommodates SRP
- Increase of approx 85% in patrol boat operational hours relative to legacy patrol boats (175,000 hours)
- 35-Year Service Life

## LONG RANGE INTERCEPTOR (LRI)

### Characteristics:

• Max Speed	45 KTS
• Range	400 NM
• Endurance	10 hours
• Crew	2 plus 12 Passengers
• Boat Deployment	Stern Ramp Deployment & Recovery
• Operations	Over the Horizon
• Sea Keeping	Excellent – Sea State 5
• Communications	Long Range – Hardwired Comms
• Sensors	SATCOM capabilities & radar

### Features:

- Slam Mitigating Seats
- Enclosed Coxswain Station
- Radar
- Over the Horizon Capability with Satcom & GPS

## SHORT RANGE PROSECUTOR (SRP)

### Characteristics:

• Max Speed	33 KTS
• Range	200 NM
• Endurance	4 hours
• Crew	2 plus 8 Passengers
• Boat Deployment	Stern Ramp Deployment & Recovery
• Operations	Short Range – Line of Sight
• Sea Keeping	Excellent – Sea State 5

### Features:

- Slam Mitigating Seats
- Excellent Sea-keeping

## MEDIUM RANGE SURVEILLANCE AIRCRAFT (MRS) HC-144A

### Characteristics:

• Maximum Air Speed	236 KTAS
• Maximum Range	2,305 NM (MPA Configured)
• Maximum Range	2,554 NM (Cargo Configured)
• Range with Payload (6,000 lbs)	1,536 NM (Cargo Configured)
• Maximum Take-off Weight	36,380 LBS
• Length	70.2 FT
• Wing Span	84.8 FT
• Engines	(2) GE CT 7 Turboprop (1750 SHP Each)
• Propellers	Hamilton Standard 14RF-37 (Four Blades)
• Crew	Pilot, Co-pilot, Mission Specialists, Loadmaster, Observers
• Sensors	ISAR Radar, EO/IR, ESM

### Features:

- Proven Military Twin Turboprop
- Quick Change to Cargo or Passenger Role
- Rear Cargo Ramp
- SEI Capable
- Common C4ISR System with LRS

## LONG RANGE SURVEILLANCE AIRCRAFT (LRS) HC-130J

### Characteristics

• Basic Aircrew	Pilot, Co-pilot, Flight Mechanic/Loadmaster, Mission Specialists
• Engine	Rolls-Royce AE2100D3-4700 SHP
• Cruise Speed	362 KTAS @ 22,000 FT
• Ceiling	28,000 FT with 42,000 LBS payload
• Range	1,600 NM with 35,000 LBS payload

### Features:

- Common C4ISR system with MRS
- Advanced sensors for intelligence collection & sharing
- Full cargo carrying capacity

## MULTI-MISSION CUTTER HELICOPTER (MCH) MH-65C

### Characteristics:

• Max Speed	160 KTS
• Max Range	600 NM
• Max Endurance	4 hours
• Crew	2 Pilots, 1 Rescue Swimmer, 1 Flight Mechanic
• Weapons	.50 Cal Precision Fire Weapon, M240B 7.62 Machine Gun

### Features:

- Increased communications
- Increased night/all-weather capability with radar & Electro-Optic/Infrared sensors (EO/IR)
- Vertical Insertion & Vertical Delivery (VI/VDEL)
- Airborne Use of Force (AUF)
- Enhanced radar & optical sensors will allow Common Operational Picture (COP)/MDA data exchange capability
- Detection and defense capabilities against chemical, biological, or radiological attack

## VERTICLE UNMANNED ARIEL VEHICLE (VUAV)

### Characteristics:

Speed	220 KTS
Range	100 NM Mission Radius
Endurance	6 hours
Sensors	Radar, Electro-Optic/Infrared sensors (EO/IR)
Payload	200 – 300 LB
Surface Search	20 NM
Maintenance	1 MMH / FH
ID Capability	1.3 NM

### Features:

- Transmit real-time EO/IR imagery & radar to Common Operational Picture (COP) to a range of 100 NM from the flight deck-equipped cutter

## HIGH ALTITUDE ENDURANCE UNMANNED ARIEL VEHICLE (HAEUAV)

### Notional Specs

### Characteristics:

• Speed	300 to 400 KTS
• Range	12,000 NM
• Endurance	38.0 hours
• Length / Height	44 FT / 15 FT
• Wing Span	116 FT
• Loiter Altitude	50,000 to 65,000 FT

### Features:

- Capable of cruising at high altitudes
- Ability to survey large geographic areas
- Ability to transmit data via sophisticated sensor suite to Common Operational Picture (COP)