SUMMARY: **SYRIA** IS NEGOTIATING THE PURCHASE OF C-801 ANTI-SHIP MISSILES AND HY-2/HY-2A SHORE-TO-SHIP MISSILES FROM THE PRC. THE ULTIMATE DESTINATION IS, HOWEVER, IRAN.

TEXT: **SYRIA** IS NEGOTIATING THE PURCHASE OF C-801 MULTIPURPOSE ANTI-SHIP MISSILES AND HY-2/HY-2A SHORE-TO-SHIP MISSILE FROM THE PRC. **SYRIA** IS MERELY ACTING AS A MIDDLE MAN FOR IRAN, THE ULTIMATE DESTINATION.
ENCLOSURE ONE GIVES TECHNICAL DETAILS ON THE C-801. ENCLOSURES TWO, THREE, AND FOUR COVER THE HY-2 AND HY-2A. THE C-801 IS 5.814M LONG, 0.36M IN DIAMETER, HAS A WINGSAN OF 1.18M, WEIGHS A TOTAL OF 815KG, AND HAS A WARHEAD WEIGHT OF 165KG. THE C-801 HAS AN EFFECTIVE RANGE (SHIP TO SHIP) OF 8 TO 40 KM, AND AN EFFECTIVE RANGE (AIR TO SHIP) OF 10 TO 50 KM. USING A LEVEL FLIGHT ALTITUDE OF 20 TO 30 METERS, LEVEL FLIGHT VELOCITY IS 0.9M (306 METERS PER SECOND). THE HY-2 HAS AN EFFECTIVE FIRE RANGE OF 20 TO 95 KM WITH A MISSILE SPEED OF 0.9M (306 METERS PER SECOND). THE HY-2 IS 7.48M IN LENGTH, 0.76M IN DIAMETER, HAS A WINGSAN OF 2.4M, HAS A WARHEAD WEIGHT OF 380KG AND FLIES AT A HEIGHT OF 100 TO 300 METERS. THE HY-2A MISSILE IS VERY SIMILAR TO THE HY-2, BUT HAS A TOTAL MISSILE WEIGHT OF 2,990KG, WITH A WARHEAD WEIGHT OF 513KG, AND USES A FLIGHT ALTITUDE OF 100 TO 200 METERS.

COMMENTS: 

WARNING: (U) REPORT CLASSIFIED CONFIDENTIAL.

DECL. NR.
END OF MESSAGE

NNNN

8800290444
**UNCLASSIFIED**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Description</th>
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<tbody>
<tr>
<td>Full-length of the missile</td>
<td>5.814m</td>
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<tr>
<td>Diameter of the missile</td>
<td>0.36m</td>
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<tr>
<td>Wingspan</td>
<td>1.18m</td>
<td></td>
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<tr>
<td>Total weight of the missile</td>
<td>815Kg</td>
<td></td>
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<tr>
<td>Warhead weight</td>
<td>165Kg</td>
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Unclassified

**Launching mode:** Single or salvo

 Guidance mode: auto control plus homing guidance

**Level flight velocity:** 0.9 Mach

**Second altitude descent:** 5 and 7 meters

**Level flight altitude:** 20 and 30 meters

**Effective range:** up to 10 to 50 Km

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<table>
<thead>
<tr>
<th>Height</th>
<th>Auto control phase</th>
<th>Glide section</th>
<th>Climb section</th>
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<tbody>
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</tbody>
</table>

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The C-801 missile has high accuracy and high capability of braking through the defense. C-801 missile is able to fly at a very low altitude.
devices etc.

devices, highway transportation track and the sympathetic testing
consists chiefly of the tracking radar. The director, controller, launching
and the ground and ship-based equipment for C801 missile weapon system

C801 missile weapon system equipment includes the main anti-missile system.HN
1. 跟踪雷达  
2. 射击指挥仪  
3. 公路运输车  
4. 综合测试设备  
5. 箱式发射装置  

tracking radar  
fire director  
highway transportation truck  
synthetic testing devices  
container-launching devices
C-301導彈是多用途導彈，可以多聯裝載在驅逐艦、護衛艦、常規潛艇、大型貨輪上，也可以裝掛在轟炸機、強擊機上。

C-301 missile is carried on a destroyer or an escort ship. Each ship is equipped with eight missiles.
C801 missile is a multipurpose missile. It may be installed in multiple on a destroyer, an escort vessel, a conventional submarine and a large or small-size motorboat. It may also be hung under a bomber or an attack plane.
The missile is installed on a large or small-size launch vehicle. Each launch vehicle can carry two small-size missiles and each small-size missile is able to carry eight smaller missiles.
HY-2 coastal-to-ship missile weapon system is an advanced tactical defence weapon system. It is used to be fired from the launch site on land and destroys the large and medium size target vessels and effectively denies harbour, islands, towns along the coast and passageways.
HY-2 is characterized by its long range, wide firing sea zone, high hit probability, strong explosion and mobility. It has advanced design and rational arrangement. Its control system is reliable in design and excellent in quality.
Effective fire range: 20-95 km.
Single shot hit probability: not less than 70%.
Missile speed: 306 m/s ($M = 0.5$).
Control mode: self-control plus homing guidance.
Target: surface ships from one thousand to several thousand tons.
HY-2 coast-to-ship missile weapon system is composed of the winged missile and motorized ground equipment. The motorized ground equipment are deployed at launching site and technical site respectively.

Equipment at the launching site includes: ground tracking radar station, fire director device, launchers, transport/loading vehicle, etc.

Equipment at the technical site includes: Integrated tester truck, source truck, oxidant charging truck, etc.
1. homing radar antenna
2. fuel tank
3. warhead
4. oxidant tank
5. autopilot controller
6. booster
7. liquid rocket motor
HY-2 launching device consists of pre-launch check trucks and launcher.

The pre-launch check truck is used both for rapid and automatic missile pre-launch check and for accomplishing the remote firing. It is provided with emergency safety firing circuit.

The launcher incorporates a highly-accurate follow-up tracking system. Its operational range: Elevation is $+10^\circ$ and azimuth $\pm 174^\circ$. The main firing direction can be set manually. The firing section is $0^\circ - \pm 85^\circ$. 
The ground tracking radar station of HY-2 missile system is capable of both searching the target and accurately tracking the target. The fire control system adopts special electronic digital computers of high-quality discrete components, attacks the lead point of target movement. It has multi-operational modes. It is characterized by excellent performance, high accuracy and easy operation.
All the technical preparations of missiles are carried out at the technical site. These include:

- Subassembly test (unit test),
- Integrated test,
- High-pressure air charging and air-tightness check,
- Oxidant charging,
- Fuel charging,
- Booster and warhead installation and check,
- Transfer and transportation, etc.

[Signature]
HY-2 COAST-DEFENSE MISSILE

MISSILE DE DEFENSE CÔTIÈRE HY-2

- Great destructive capability
- High hit probability
- Haut pouvoir de destruction
- Grande probabilité d'atteinte
The HT-2 missile is a surface-to-surface, low altitude, near-space and anti-center and self-guidance tactical missile vehicle. It has a long firing range, a great destructive capability and a high hit probability. It is a powerful coast-defense weapon firing against the large or medium-sized fighting ships.

The HT-2 missile can be placed in the tunnel, and moved out when launching. It can also be divided into several sections which are separately launched on the motor vehicles. So it has a good concealment and flexibility to conduct sustained and sudden attacks.
La fusée est-allemande V-2 est un missile balistique extrêmement imposant et extrêmement populaire à l'échelle mondiale. Son fuselage portait un haut pourcentage de destruction et une large gamme d'attaques. Il pouvait détruire des bâtiments de grande en moyenne et provoquer une capacité considérable de destruction d'effets. Il est également utilisé pour détruire des bâtiments de grande en moyenne et provoquer une capacité considérable de destruction d'effets.

La fusée V-2 a été installée dans un lancement dont il sort en cas de se être élevé en plusieurs parties et monté sur des véhicules. Il a permis d'obtenir la dissimulation et la capacité de varier un combat continu et mobile.
### Specifications

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
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<tbody>
<tr>
<td>Length</td>
<td>7.48 m</td>
</tr>
<tr>
<td>Diameter</td>
<td>0.76 m</td>
</tr>
<tr>
<td>Wing span</td>
<td>2.4 m</td>
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<tr>
<td>Weight of warhead filler</td>
<td>380 kg</td>
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<tr>
<td>Powered range</td>
<td>105 km</td>
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<tr>
<td>Effective range</td>
<td>20–95 km</td>
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<tr>
<td>Minimum range</td>
<td>20 km</td>
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<tr>
<td>Flight speed</td>
<td>305 m/s</td>
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<tr>
<td>Flight height</td>
<td>100–300 m</td>
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<tr>
<td>Mode of guidance</td>
<td>Self-control and self-guidance</td>
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<tr>
<td>Sustainer</td>
<td>Liquid rocket motor</td>
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<tr>
<td>Hit probability</td>
<td>More than 70%</td>
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### French Specifications

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
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<tbody>
<tr>
<td>Longueur</td>
<td>7.48 m</td>
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<td>Diamètre</td>
<td>0.76 m</td>
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<tr>
<td>Envergure</td>
<td>2.4 m</td>
</tr>
<tr>
<td>Poids de la charge militaire</td>
<td>380 kg</td>
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<tr>
<td>Portée de vol propulsion</td>
<td>105 km</td>
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<tr>
<td>Portée utile</td>
<td>20–95 km</td>
</tr>
<tr>
<td>Portée mini</td>
<td>20 km</td>
</tr>
<tr>
<td>Vitesse de vol</td>
<td>305 m/s</td>
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<tr>
<td>Hauteur de vol</td>
<td>100–300 m</td>
</tr>
<tr>
<td>Mode de guidage</td>
<td>Autocommande et autoguidage</td>
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<tr>
<td>Type du moteur</td>
<td>Moteur à combustible liquide</td>
</tr>
<tr>
<td>Probabilité d'atteinte</td>
<td>&gt; 70%</td>
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</table>
HY-2A is an advanced tactical missile system designed for naval tasks. It is a multi-stage solid-propellant rocket designed for naval use. Its maximum range is 20-95km and it is capable of carrying multiple warheads.

HY-2A is a versatile weapon, capable of striking targets in both land and sea environments. It is capable of carrying multiple warheads, making it a powerful deterrent. The missile is guided by an advanced terminal guidance system, allowing it to hit its target with high accuracy even in hostile environments.

Key specifications:
1. Effective range: 20 to 95 km
2. Hit probability: Single shot hit probability 70%
3. Level flight altitude: 100 and 200 m
4. Level flight velocity: 300m/sec
5. Control mode: Self-control plus homing guidance
6. Launching range: 8 to 14 km
7. Launching point: Above sea level
8. Range of warheads: Up to 4000 m
The infrared seeker for Hy-2A missile receives the infrared light wave radiated by the target and makes use of the light-volt characteristic to form the control signal and guides the missile to hit the target. It is capable of resisting electronic countermeasures, resisting sea wave and passive interferences. Its passive ability to make operations covert and not easy to be detected by the enemy.

1. Full length of the missile: 7.308m
2. Maximum diameter: 0.76m
3. Wingspan: 2.40m
4. Missile height: 1.29m (without booster) 1.59m (with booster)
5. Total weight of the missile: 2,990kg
6. Warhead weight: 513kg
7. Booster weight: 570kg
HY-2A missile uses the shaped charge armor-piercing warhead, which is detonated by the fuses to destroy the target when it is impacted. The powerful warhead is capable of breaking through any kind of warship armor known so far.

The motorized ground equipments for HY-2A missile weapon system are composed of 44 trucks, including one GR3 infrared testing truck and the other 43 universal trucks used for HY-2 missile weapon family.

CPMIEC's HY-2A missile weapon system is an advanced tactical coastal defence weapon system with modern technology, which has advanced design and rational arrangement. Its control system is reliable in design and excellent in quality.

Our corporation offers first-grade products, reasonable prices, prompt delivery, sufficient spare parts and satisfactory technical service and fulfills any signed contracts faithfully.

We are always willing and ready to receive any user's orders.