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# Arab Defense Industry Papers News Bulletin

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## The Big Picture

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### Egypt

*La Tribune*, 20 February 2018. The U.S. seems to refuse export clearance for a key component of the SCALP cruise missile. This in turn, has stalled the French sale of 12 Rafale fighter jets to Egypt. Washington's opposition seems to result from disagreement over French weapons sales to countries like Egypt and the UAE, *La Tribune* wrote (<http://bit.ly/2o93wea>).

*Middle East Monitor*, 13 February 2018. "The UAE has sent F-18 warplanes to enhance its military presence at the Mohamed Naguib Military Base, northwest of Egypt, a military source said. (...) The source said the UAE reinforcements aim to support the forces of the head of the Libyan National Army, General Khalifa Haftar, who are fighting terrorist groups on the ground" (<http://bit.ly/2owba2r>).

*TASS*, 7 February 2018. Russia and Egypt are discussing the possibility of supplying additional Russian equipment such as weapon systems and control systems to Egypt's Mistral ships, Vladimir Kozhin, aide for military-technical cooperation of the Russian President, said. Kozhin also added that work on the contract for the delivery of Ka-52K helicopters continued (<http://bit.ly/2G0lcCY>).

### Iran

*Deutsche Welle*, 22 February 2018. "In a quarterly report on Iran's conformity with the landmark 2015 nuclear deal that restricted Tehran's nuclear ambitions, the IAEA said the Islamic Republic remained compliant and had informed the agency of a 'decision that has been taken to construct naval nuclear propulsion in future'" (<http://bit.ly/2FBWQgh>).

### Iraq

*TASS*, 24 February 2018. "Iraq seeks to acquire S-400 Triumph anti-aircraft weapon systems to defend its territory from air strikes, Iraqi MP Hakim Al-Zamili, head of the Iraqi parliament's security and defense committee, told *Al-Ghad Press* daily (...). (...) the *Shafaq News* website said that an Iraqi delegation would visit Moscow in the near future for negotiating purchases of S-400 anti-aircraft weapon systems" (<http://bit.ly/2GUKQ8X>).

### Jordan

*Jane's Defence Weekly*, 22 February 2018. "The Royal Jordanian Army (RJA) is restructuring its armoured forces, with second-hand Iveco Centauro 105 mm 8x8 Mobile Gun Systems (MGSs) and Rheinmetall Landsysteme Marder 1A3 infantry fighting vehicles (IFVs) equipping new units and the RJA's Challenger 1 MBTs being retired" (<http://bit.ly/2EY6BEq>).

### Oman

*Live Mint*, 13 February 2018. "India and Oman (...) signed a key pact that extends dry docking and other facilities to Indian naval ships in (Oman). The two countries have also agreed to hold joint military exercises (...). A supplementary pact to an existing defense agreement was among eight accords signed during Prime Minister Narendra Modi's two-day visit to Oman (...)" (<http://bit.ly/2EZCnRw>).

### Qatar

*Defense News*, 14 February 2018. "The powerful Senate Foreign Relations Committee chairman is lifting his eight-month hold on U.S. arms sales to Gulf Cooperation Council member states, which he levied to pressure a resolution with Qatar. Sen. Bob Corker notified Secretary of State Rex Tillerson in a Feb. 8 letter (...) that he was lifting his hold in the name of cooperation against terrorism, while acknowledging the crisis between the Saudi-led bloc and Qatar is no closer to a resolution" (<http://bit.ly/2F5L25M>).

### Saudi Arabia

*Saudi Press Agency and Arab News*, 26 and 28 February 2018. Saudi Arabia's King Salman has approved the "document on developing the ministry of defense, including the vision and strategy of the ministry's developing program (as well as its) organizational structure." The King's decision went hand in hand with the appointment of new military leaders:

- New Chief of Staff: General Fayad Al-Ruwaili
- Deputy Chief of Staff: LtGen Mutlaq bin Salim

- Commander of the Joint Forces: LtGen Fahd bin Turki
  - Commander of the Strategic Missile Force: LtGen Jarallah bin Mohammed
  - Commander of the Ground Forces: LtGen Fahd bin Abdullah
  - Commander of Air Defense Forces: LtGen Mzyed bin Sulaiman
  - Commander of the Air Force: LtGen Turki bin Bandar
- (<http://bit.ly/2BQOAcw>; <http://bit.ly/2F4wHpa>).

*Arab News*, 26 February 2018. Turkey was the guest-of-honor at the 2018 Armed Forces Exhibition for Diversity of Requirements and Capabilities (AFED), which took place at the end of February 2018 in Riyadh. 25 Turkish companies participated in the event which underlined the mutual interest in defense industrial cooperation, Ismail Demir, Head of the Undersecretariat for Defense Industry (SSM), said. According to him, AFED aimed at gathering Turkish and Saudi defense industries "in order to seek and explore joint production opportunities" (<http://bit.ly/2BUkKUq>).

*TASS*, 19 February 2018. "Negotiations on supplies of Russian S-400 missile systems to Saudi Arabia are on the final lap, with the sides discussing technical and logistics details, Saudi Ambassador to Russia Raed bin Khaled Qrimli told TASS on Monday. Earlier, Russian president's military technical cooperation aide Vladimir Kozhin said in an interview with the Kommersant daily that documents on S-400 deliveries to Saudi Arabia had been signed, with all the parameters agreed." However, other reports indicated that differences over technology transfer made negotiations more difficult (<http://bit.ly/2ESxIE8>; <http://bit.ly/2t1z7U5>).

*Gulf News*, 26 February 2018. "Saudi authorities have opened up army registration to women. Applications have begun to pour in." Women have until 1 March 2018 to submit applications and they will need to undergo tests and conduct personal interviews. In January, the General Directorate for Passports announced that, for the first time, it would be recruiting 140 women, but officials were surprised to receive 107,000 applications" (<http://bit.ly/2Cm8o8v>).

## Syria

*Defence Blog and Jane's Defence Weekly*, 6, 15 and 23 February 2018. Russia continues to use the Syrian theater of operation as a test bed for its latest defense systems. Quoting online sources, *Defence Blog* reported that Russia had deployed its new K-53949 mine-resistant armored personnel carrier (APC) to Syria. "The vehicle offers STANAG 4569 level III protection against anti-personnel and anti-tank mines as well as improvised explosive devices."

Additional reports, among others by *Jane's Defence Weekly*, also suggest that Sukhoi Su-57 tight-generation fighters have been deployed to Syria too. Social media sources showed the arrival of two jets at Humaymim Air Base in the Latakia province. According to *JDW*, the jets have not been declared operation, "so its deployment to Syria could only be carried out as part of the aircraft's test and evaluation program."

On 3 February 2018 the first Su-25 jet was downed by a man portable air defense system over Syria, *JDW* reported.

(<http://bit.ly/2BQqQoU>; <http://bit.ly/2FbJBFs>; <http://bit.ly/2FBCynf>).

## Turkey

*Hürriyet Daily news, 24 February 2018.* The U.S. reportedly seeks to cooperate with Turkey on "an alternative to Ankara's purchase of Russian S-400" air defense systems. An anonymous U.S. official quoted by *Hürriyet Daily News* said that "this issue was discussed in Ankara, last week, about how we can find better solutions to help Turkey's air defense needs, which we understand are legitimate. (...) Asked if there are specific proposals, the (anonymous) U.S. official simply said 'conversations are taking place'" (<http://bit.ly/2FI2y0o>).

*Jane's Defence Weekly, 16 February 2018.* "Turkey has deployed upgraded M60T main battle tanks (MBTs) for its Operation 'Olive Branch' against Kurdish fighters in the Afrin region of northwest Syria. Images taken on the Turkish side of the border near Afrin in mid-February show a number of M60Ts equipped with laser warning receivers (LWRs), situational awareness systems, and remotely operated weapon stations (ROWS) that form part of an indigenous upgrade package" (<http://bit.ly/2EuAwbf>).

*Jane's Defence Weekly, 14 February 2018.* "There is no evidence that the Turkish T129 ATAK helicopter that crashed in Syria's Afrin region on 10 February was shot down, Turkish Prime Minister Binali Yıldırım said on 14 February". He also added that official investigations had not yet been completed. On 20 January 2018, the People's Protection Units (YPG), "claimed the helicopter was shot down" (<http://bit.ly/2BV9Qhp>).

*Daily Sabah, 14 February 2018.* "After the delivery of the first regiment (of S-400 missile defense systems) is completed in May-June 2020, the parties plan to sign a new contract on the delivery of the second S-400 regiment in 2021. The list of supplies will be similar to the one included in the first contract," an unnamed official told Russian news agency TASS. The source also said the new deal will include partial localization of production with some Turkish firms manufacturing certain 'non-crucial' parts of the S-400 systems" (<http://bit.ly/2EZUGpM>).

*C4Defence, 3 February 2018.* Prof. Dr. Faruk Yigit has been appointed new Deputy Undersecretary for Defense Industries. Yigit graduated in 1987 with a degree in mechanical engineering from the Yildiz Technical University and obtained his doctorate in 1988 at the University of Michigan. Most interestingly, he worked at the King Saud University in Saudi Arabia from 1995 to 2009 (<http://bit.ly/2FeDiAK>).

## United Arab Emirates

*Al Defaiya, 21 February 2018.* Abu Dhabi Ship Building (ADSB) has increased gross profit in 2017 to AED227M (2016: AED256M) and net profit to close to AED105M (2016: AED61M). Contracts for Marine Support Services as well as cost efficiency programs have contributed to the company's financial improvement (<http://bit.ly/2owoML8>).

## Defense Industry

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### Israel

*Defence Blog*, 20 February 2018. "The Israeli Ministry of Defense (IMOD) and the U.S. Missile Defense Agency (MDA) conducted a successful test of the long-range Arrow 3 missile defense system. (...) The Arrow 3 system is a central component of the multi-layered defense system developed by the Ministry of Defense (that is) based on four operational systems: David's Sling, Iron Dome, Arrow 2, and Arrow 3" (<http://bit.ly/2CpgGfS>).

### Iran

*Jane's Defence Weekly*, 15 February 2018. "Iranian naval vessels will receive the Kamand point defence system before the end of the current Persian year on 20 March, Rear Admiral Ali Kaviani told reporters on 14 February. The *Fars* and *Tasnim* news agencies both cited the admiral as saying that the Kamand had now passed all tests and would protect Iranian vessels from low-altitude threats, including missiles" (<http://bit.ly/2CLUNDz>).

*AlArabiya*, 13 February 2018. "Iran has unveiled a series of new homemade nuclear-capable ballistic missiles during military parades (...).The arsenal included a nuclear-capable medium-range missile that appears to share similarities with North Korean technology, according to experts cited by the *Washington Free Beacon* news site" (<http://bit.ly/2F6AYvP>).

*Janes Defence Weekly*, 7 February 2018. Iran's locally built Mohajer 6 UAV seems to be ready for mass production. On 5 February 2018, five systems were shown during an event attended by Amir Hatami, Iran's Minister of Defense. "Two systems had inert versions of a small guided bomb on their underwing hardpoints, the rest had no hardpoints. There appeared to be two different versions of the bomb, one with an opaque seeker window labelled as the Ghaem and one with a transparent one labelled as the Ghaem 1" (<http://bit.ly/2otGjnm>).

### Oman

*Indian Ministry of External Affairs*, 12 February 2018. According to the joint statement issued on the occasion of Indian Prime Minister Modi's state visit to Oman on 11-12 February 2018, the "Omani side acknowledged the opportunities offered under the 'Make in India' initiative for joint production of defence equipment in India and also for the procurement of defence material from India. The two sides agreed to explore further opportunities in these areas of common interest" (<http://bit.ly/2FEJbF8>).

### Saudi Arabia

*Arab News*, 1 March 2018. Lockheed Martin and Wahaj signed a teaming agreement to "develop Saudi Arabia's capability to co-manufacture the tail kits for Paveway II Plus Laser-Guided Bombs" (<http://bit.ly/2oynIGJ>).

*Arab News*, 26 February 2018. Rotary Aircraft Manufacturing Saudi Arabia (RMASA), the joint venture created to produce 150 Blackhawk helicopters for Saudi Arabia, is said to create around 640 "new technology jobs" (<http://bit.ly/2HPqH5M>).

### Turkey

*Hürriyet Daily News*, 21 February 2018. According to President Recep Tayyip Erdogan Turkey strives to develop unmanned tanks. "We should reach the ability to produce unmanned tanks," he was quoted saying at a meeting in Ankara. So far this seems to be a bold vision statement as details about a specific program have yet to emerge (<http://bit.ly/2FzumUg>).

*Quwa*, 7 February 2018. Ethem Sancak, CEO of BMC, reportedly stated BMC had won the bid to develop the Altay main battle tank's engine. He said that BMC was working on "an engine series from 400 hp to 1,500 hp." This suggests that the company might not only work on a replacement of the Altay's MTU engine, but might strive to "end reliance on all foreign (engines), such as those used for infantry fighting vehicles, armored personnel carriers and armored fighting vehicles" (<http://bit.ly/2Fyp1gd>).

*Jane's Defence Weekly*, 6 February 2018. "The Turkish Air Force Command received its first two Anka-S unmanned aerial vehicles (UAVs) and their related systems, Turkish Aerospace Industries (TAI) announced on its website on 3 February. Six Anka-Ss can be simultaneously controlled beyond line-of-sight via satellite through an operation, simulation, and training centre, TAI said" (<http://bit.ly/2ox8ce4>).

*Quwa*, 4 February 2018. "Turkey's Ministry of Defence announced that Roketsan and Aselsan had successfully test-fired the jointly-developed HİSAR-A short-range surface-to-air missile (SAM) system on 1 February 2018. (...) The HİSAR-A is powered by a dual-stage rocket motor, providing a maximum engagement range of 15 km" (<http://bit.ly/2EV3AEQ>).

### United Arab Emirates

*TradeArabia*, 27 February 2018. The UAE Armed Forces awarded several new contracts during the UMEX2018 exhibition in Abu Dhabi:

- Abu Dhabi Autonomous Systems (Adasi) will continue to provide technical support for UAV systems and spare parts. The contract value is around AED105M.
- CAE Maritime Middle East is to provide and install equipment for Blackhawk and Bell helicopters.
- Computer and Power Technology CPT will provide training systems.
- Denel Dynamics will provide technical support for Seeker 2 UAV.
- Inovex Simulation and Training Ltd of Switzerland will provide technical and training support to operate and maintain BMP3 simulators
- Insitu is to provide four Integrator UAV worth AED22M
- Russia's JSC RPC KBM is to supply rocket propellants
- Trust International will maintain and repair nano NUAS PD-100 Black Hornet PRS aircraft systems (<http://bit.ly/2GSEA1E>)

*Middle East Monitor*, 28 February 2018. Saab's plan to open a radar production plant in the UAE seems to spark controversy in Sweden "over fears that Abu Dhabi might use it for military purposes in Yemen. 'The UAE has a combat military unit in Yemen, and radar systems are for civilian use, but they can be used for military purposes as well, and they will certainly have civilian and military advantages,' said Saab communications director, Sebastian Carlsson. 'The UAE's participation in the war in Yemen is not an obstacle to the deal,' Carlsson added" (<http://bit.ly/2owHH8H>).

## **Defense Exports**

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### **Turkey**

*Defence Blog*, 26 February 2018. "The Senegalese gendarmerie has awarded a contract to Turkey's private defence company Nurol Makina (Nurol Machinery) to supply Ejder Yalcin 4x4 armoured vehicles and Ejder Toma riot control vehicles" (<http://bit.ly/2GKNnT9>).

## **Defense Modernization and Support**

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### **United Arab Emirates**

*Arabian Aerospace*, 9 February 2018. "BAE Systems has been selected by Lockheed Martin to modernise head-up displays (HUD) on F-16 aircraft for the United Arab Emirates (UAE) Armed Forces, replacing the fleet's analog system with advanced digital technology" (<http://bit.ly/2t2SUT9>).

## **Defense Procurement**

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### **Iraq**

*Defence Blog*, 16 February 2018. Quoting local Iraqi source, *Defence Blog* reports that the first T-90S and T90SK main battle tanks from Russia have arrived in Iraq. Iraq has ordered a total of 73 tanks (<http://bit.ly/2BRAeIS>).

### **Kuwait**

*Defense Security Cooperation Agency*, 21 February 2018. "The State Department has made a determination approving a possible Foreign Military Sale to Kuwait of King Air 350ER Intelligence, Surveillance, and Reconnaissance (ISR) aircraft for an estimated cost of \$259 million" (<http://bit.ly/2F6K9fH>).

*Defense Security Cooperation Agency*, 20 February 2018. "The State Department has made a determination approving a possible Foreign Military Sale to Kuwait of fast patrol boats for an estimated cost of \$100 million" (<http://bit.ly/2BTsoyA>).

### Middle East

*Defence Blog, 11 February 2018.* An undisclosed Middle East customer is said to purchase LG5 "sniper" grenade launchers from China North Industries Corporation. The LG5 can hit light armored and non-armored ground targets at a distance of 1,000-2,000 meters (<http://bit.ly/2os29aU>).

### Saudi Arabia

*Defence Blog, 20 February 2018.* "The Royal Saudi Arabian Armed Forces appear to have acquired land-based Vertical Launch MICA (VL MICA) air defence system made by MBDA. (...) undated imagery showing the new land-based VL MICA air defence system at the Jeddah Islamic Port in Saudi Arabia" were released on social media (<http://bit.ly/2EUye1i>).

*Tass, 19 February 2018.* "Negotiations on supplies of Russian S-400 missile systems to Saudi Arabia are on the final lap, with the sides discussing technical and logistics details, Saudi Ambassador to Russia Raed bin Khaled Qrimli told TASS." Earlier reports indicated that Saudi demands for technology transfer were opposed by Russia (<http://bit.ly/2ESxIE8>).

*Northrop Grumman, 8 February 2018.* "Northrop Grumman has received a \$75 million Indefinite Delivery/Indefinite Quantity contract award to deliver Joint Threat Emitter (JTE) support services to the Kingdom of Saudi Arabia. The JTE offers realistic warfighter training and provides a modern, reactive battlespace environment that trains military personnel to identify and counter enemy missile and artillery threats" (<http://bit.ly/2FEREIK>).

### Turkey

*C4Defence, 9 February 2018.* At the end of January 2018, the Defense Industry Executive Committee had adopted several decisions. According to C4Defence, FNSS will supply more than 170 8x8 vehicles to meet an urgent requirement of the Turkish Land Forces Command. Contract negotiations with BMC for more than 700 4x4 vehicles are about to start, and BMC will also provide 116 KIRPI mine and ambush-protected personnel carriers (<http://bit.ly/2oweTgx>).

## Military Cooperation and Training

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### Iraq

*Defense News, 15 February 2018.* "NATO has agreed to organize a formal military training mission in Iraq to 'project stability in the Middle East, Secretary General Jens Stoltenberg announced. (...) 'Establishing a mission will make the current training efforts more sustainable. It will benefit from better resourcing and a well-established process'" (<http://bit.ly/2CoUwpF>).

### Saudi Arabia

*Al Defaiya*, 27 February 2018. Pakistan is sending troops to Saudi Arabia on a 'training and advice mission,' the military said, three years after it decided against sending soldiers to join the Saudi-led military intervention in Yemen. The exact role the troops will play was unclear, but a statement from the army's press wing (...) stressed they 'will not be employed outside' the Kingdom" (<http://bit.ly/2COhYge>).

*Quwa*, 18 February 2018. Pakistani and Saudi naval forces have conducted a joint naval exercise from 9-17 February 2018. Aff'aa al-Sahil was meant to "improve the capacities of both forces to interdict maritime crimes such as trafficking, piracy and terrorism" with a focus on the use of special operations forces (<http://bit.ly/2BOVWN7>).

### United Arab Emirates

*WAM*, 27 February 2018. The UAE Minister of State for Defense Affairs and the Chief of Staff of the UAE Armed Forces used the 2018 Unmanned Systems Exhibition Conference (UMEX 2018) to conduct a series of meetings to review bilateral affairs. Mohammed bin Ahmed Al Bowardi met with the Minister of Defense of Pakistan, the Minister of Trade, Industry and Energy as well as the Vice Minister of National Defense of South Korea, and the Chief of the General Staff of the Armed Forces of Belarus. LtGen Hamad Mohammed Thani Al Rumaithi, among others, met with the Korean Vice Minister of National Defense, the Chief of the General Staff of Mauritania, the Chief of the General Staff of Belarus. (<http://bit.ly/2EYhMB4>).

*WAM*, 26 February 2018. "The General Command of the UAE Armed Forces, represented by the National Service and Reserve Authority, and the Abu Dhabi Polytechnic Institute of Applied Technology have signed a cooperation agreement in the training and professional development of national service recruits, to enhance their skills in various areas of technology and electronics" (<http://bit.ly/2HQDnsW>).

*Arabian Aerospace*, 26 February 2018. According CAE Maritime Middle East (MME) has been training the AUE Air Force RQ-1E AUV pilots, *Arabian Aerospace* has revealed. The first class, which has received academic, simulator, and live flying training will soon complete the basic course (<http://bit.ly/2t47YAa>).

*Al Defaiy*, 20 February 2018. "Rear Admiral Pilot Sheikh Saeed bin Hamdan bin Mohammed Al Nahyan, Commander of the UAE Naval Forces, received in Abu Dhabi Admiral Christophe Prazuck, the Chief-of-Staff of the French Navy, and his accompanying delegation" to review bilateral naval affairs (<http://bit.ly/2COjsXO>).

*The National*, 9 February 2018. "India will begin its first-ever naval exercises off the shores of Abu Dhabi" in March 2018. This, the country's ambassador to the UAE said, "shows recognition that we have a shared interest in maritime security against piracy, in keeping the sea lanes open, in ensuring the freedom of navigation" (<http://bit.ly/2CKY2eq>).

WAM, 12 February 2018. Lt. General Hamad Mohammed Thani Al Rumaithi, Chief-of-Staff of the UAE Armed Forces received in his office at the General Command of the UAE Armed Forces headquarters, Lieutenant General Mahmoud Freihat, Chairman of the Joint Chiefs-of-Staff of the Jordanian Armed Forces and his accompanying delegation" (<http://bit.ly/2CrNCVm>).

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## Cybersecurity and Space

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### Bahrain

*Bahrain News Agency*, 19 February 2018. "Director of the Russian Space Corporation (Roscosmos), Igor Komarov, has welcomed His Majesty King Hamad bin Isa Al Khalifa's call for officers of the Royal Bahraini Air Force (RBAF) to take part in the rehabilitation program of the space trip to be organized along Russian astronauts to the International Space Station (ISS). The joint space trip is within the framework of cooperation between the two countries" (<http://bit.ly/2ow2usV>).

### Oman

*Indian Ministry of External Affairs*, 12 February 2018. Space and cyber security play a prominent role in the joint statement issued during Prime Minister Modi's state visit to Oman from 11-12 February 2018. Both countries underline the "importance of enhancing cooperation in the field of cyber security. (...) The Omani side (also) noted India's globally recognized capabilities in research and development of space infrastructure, space technologies and space applications and thanked India for its offer to assist in development of Oman's capabilities, including training, human resource development, for use of space technologies and applications for developmental and other purposes. The two sides expressed satisfaction over signing of the MoU on cooperation in space sector and called for its expeditious implementation" (<http://bit.ly/2FEJbF8>).

### Saudi Arabia

*Space Watch Middle East*, 9 February 2018. "China's pioneering Chang'e-4 lunar mission set to launch later this year will carry an optical camera provided by Saudi Arabia as part of international involvement in the mission" (<http://bit.ly/2F0oQJy>).

### United Arab Emirates

*Al Defaiya*, 19 February 2018. The UAE Space Agency signed a Memorandum of Understanding (MoU) with the Government of South Australia to set up a framework for joint cooperation in the exploration and utilization of outer space and the exchange of information, expertise, scientific research and space technology" (<http://bit.ly/2Feza3I>).

WAM, 15 February 2018. "Matar Salim Ali Al Dhaheri, Under-Secretary of the UAE Ministry of Defense, received in Abu Dhabi a delegation from the Saudi Defense Ministry currently visiting the UAE. During the meeting, the two

sides discussed ways of advancing military cooperation between the UAE and Saudi Arabia, to enhance security and stability in the region" (<http://bit.ly/2GPRPA8>).

*WAM, 14 February 2018.* "Mohammed bin Ahmed Al Bowardi, UAE Minister of State for Defense Affairs, received Ron Mark, New Zealand Defense Minister, and his accompanying delegation" (<http://bit.ly/2CQTXp6>).

*Gulf News, 11 February 2018.* "His Highness Shaikh Mohammad Bin Rashid Al Maktoum, Vice-President and Prime Minister of UAE and Ruler of Dubai, and Edouard Philippe, Prime Minister of France, Sunday attended the signing of a joint declaration between the UAE Space Agency and France's Centre national d'études spatiales" (<http://bit.ly/2FC16fL>).

*WAM, 6 February 2018.* "Mohammed bin Rashid Space Centre (MBRSC) has announced that work on the KhalifaSat, the first indigenously built satellite, is moving at a steady pace and is set to be launched later this year. KhalifaSat is being developed in space technology laboratories in the UAE entirely by Emirati engineers (...). It is the third satellite owned by MBRSC following the launch of Dubai-1 and Dubai-2, it stated." KhalifaSat will be launched in Japan (<http://bit.ly/2HOZRL3>).

#### About the ADIP News Bulletin

The Arab Defense Industry Papers (ADIP) is a new professional series focusing on the role of the defense industry in Algeria Bahrain, Egypt, Iran, Iraq, Jordan, Kuwait, Libya, Morocco, Oman, Qatar, Saudi Arabia, Syria, Tunisia, Turkey, and the United Arab Emirates. The focus of the series is on the establishment of national defense industrial bases in these countries and joint collaborative defense projects as well as defense exports. The ADIP News Bulletin complements the analytical papers by providing information about current and upcoming developments relevant for the Arab defense industrial establishment. The ADIP News Bulletin is available by subscription. ADIP and the ADIP News Bulletin are joint initiatives of Borchert Consulting & Research AG and Verocy. For more information about ADIP, see: <http://www.arabdefenseindustry.com>.

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