

Our French submarine builder in massive leak scandal

The Australian

10:31AM August 24, 2016

Cameron Stewart



The French company that won the bid to design Australia's new \$50 billion submarine fleet has suffered a massive leak of secret documents, raising fears about the future security of top-secret data on the navy's future fleet.

The stunning leak, which runs to 22,400 pages and has been seen by *The Australian*, details the entire secret combat capability of the six Scorpene-class submarines that French shipbuilder DCNS has designed for the Indian Navy.

A variant of the same French-designed Scorpene is also used by the navies of Malaysia, Chile and, from 2018, Brazil, so news of the Edward Snowden-sized leak — revealed today — will trigger alarm at the highest level in these countries. Marked "Restricted Scorpene India", the DCNS documents detail the most sensitive combat capabilities of India's new \$US3 bn (\$3.9bn) submarine fleet and would provide an intelligence bonanza if obtained by India's strategic rivals, such as Pakistan or China.

The leak will spark grave concern in Australia and especially in the US where senior navy officials have privately expressed fears about the security of top-secret data entrusted to France.

In April DCNS, which is two-thirds owned by the French government, won the hotly contested bid over Germany and Japan to design 12 new submarines for Australia. Its proposed submarine for Australia — the yet-to-be-built Shortfin Barracuda — was chosen ahead of its rivals because it was considered to be the quietest in the water, making it perfectly suited to intelligence-gathering operations against China and others in the region.

Any stealth advantage for the navy's new submarines would be gravely compromised if data on its planned combat and performance capabilities was leaked in the same manner as the data from the Scorpene. The leaked DCNS data details the secret stealth capabilities of the six new Indian submarines, including what frequencies they gather intelligence at, what levels of noise they make at various speeds and their diving depths, range and endurance — all sensitive information that is highly classified. The data tells the submarine crew where on the boat they can speak safely to avoid detection by the enemy. It also discloses magnetic, electromagnetic and infra-red data as well as the specifications of the submarine's torpedo launch system and the combat system.

It details the speed and conditions needed for using the periscope, the noise specifications of the propeller and the radiated noise levels that occur when the submarine surfaces.

The data seen by *The Australian* includes 4457 pages on the submarine's underwater sensors, 4209 pages on its above-water sensors, 4301 pages on its combat management system, 493 pages on its torpedo launch system and specifications, 6841 pages on the sub's communications system and 2138 on its navigation systems.

The Australian has chosen to redact sensitive information from the documents.

Prime Minister Malcolm Turnbull said it was important to note the submarine DCNS was building for India was a completely different model to the one it will build for Australia and the leaked information

was a few years out of date. Nevertheless, any leak of classified information was a concern.

“We have the highest security protections on all of our defence information, whether it is in partnership with other countries or entirely within Australia,” he told the Seven Network today.

“But clearly, it is a reminder that, particularly in this digital world, cyber security is of critical importance.”

Influential senator Nick Xenophon said he would pursue the security breach when parliament returns next week.

Senator Xenophon, who leads a bloc of three senators, said Australia needed serious explanations from DCNS, the federal government and the Defence Department about any implications for Australia.

“This is really quite disastrous to have thousands of pages of your combat system leaked in this way,” the senator told ABC radio.

Sea trials for the first of India’s six Scorpene submarines began in May. The project is running four years behind schedule.

The Indian Navy has boasted that its Scorpene submarines have superior stealth features, which give them a major advantage against other submarines.

The US will be alarmed by the leak of the DCNS data because Australia hopes to install an American combat system — with the latest US stealth technology — in the French Shortfin Barracuda.

If Washington does not feel confident that its “crown jewels” of stealth technology can be protected, it may decline to give Australia its state-of-the-art combat system.

DCNS yesterday sought to reassure Australians that the leak of the data on the Indian Scorpene submarine would not happen with its proposed submarine for Australia. The company also implied — but did not say directly — that the leak might have occurred at India’s end, rather than from France. “Uncontrolled technical data is not possible in the Australian arrangements,” the company said. “Multiple and independent

controls exist within DCNS to prevent unauthorised access to data and all data movements are encrypted and recorded. In the case of India, where a DCNS design is built by a local company, DCNS is the provider and not the controller of technical data.

“In the case of Australia, and unlike India, DCNS is both the provider and in-country controller of technical data for the full chain of transmission and usage over the life of the submarines.”

However, *The Australian* has been told that the data on the Scorpene was written in France for India in 2011 and is suspected of being removed from France in that same year by a former French Navy officer who was at that time a DCNS subcontractor.

The data is then believed to have been taken to a company in Southeast Asia, possibly to assist in a commercial venture for a regional navy.

It was subsequently passed by a third party to a second company in the region before being sent on a data disk by regular mail to a company in Australia. It is unclear how widely the data has been shared in Asia or whether it has been obtained by foreign intelligence agencies.

The data seen by *The Australian* also includes separate confidential DCNS files on plans to sell French frigates to Chile and the French sale of the Mistral-class amphibious assault ship carrier to Russia. These DCNS projects have no link to India, which adds weight to the probability that the data files were removed from DCNS in France.

DCNS Australia this month signed a deed of agreement with the Defence Department, paving the way for talks over the contract which will guide the design phase of the new submarines. The government plans to build 12 submarines in Adelaide to replace the six-boat Collins-class fleet from the early 2030s. The Shortfin Barracuda will be a slightly shorter, conventionally powered version of France’s new fleet of Barracuda-class nuclear submarines.

Defence Industry Minister Christopher Pyne said his officials believed the leak had “no bearing” on the Australia’s submarine program.

“The Future Submarine Program operates under stringent security requirements that govern the manner in which all information and technical data is managed now and into the future,” Mr Pyne’s office said in a statement.

“The same requirements apply to the protection of all sensitive information and technical data for the Collins class submarines, and have operated successfully for decades.”

Restricted data

The secret information the leaked documents reveal:

- The stealth capabilities of the six new Indian Scorpene submarines
- The frequencies at which the subs gather intelligence
- The levels of noise the subs make at various speeds
- Diving depths, range and endurance
- Magnetic, electromagnetic and infra-red data
- Specifications of the submarine’s torpedo launch system and the combat system
- Speed and conditions needed for using the periscope
- Propeller’s noise specifications
- Radiated noise levels when the submarine surfaces

View the leaked documents below. If you are using a mobile device, you can view the extracts on the desktop version of theaustralian.com.au

Secret submarine document one

Secret submarine document two

Secret submarine document three

Submitted by Ruth Edge – Cardinia Shire Council