



NEW ZEALAND

DEFENCE UPDATE

45

OCT 06



*Project Protector buoys industry
New Zealander to head UN mission
New Defence building on schedule
Boost for Defence health
professionals
Bersama Padu
Military pageant*

THREE SERVICES AS ONE FORCE



New Defence headquarters building

The new Defence headquarters building in Aitken Street, Wellington is on schedule, with its first group of occupants due to move in next February.

The base building, which is being constructed by Mainzeal, and leased from Capital Properties, will house three organisations – the New Zealand Defence Force, the Ministry of Defence, and the Security Intelligence Service.

Fletcher Construction is building the internal hard fit-out, which is almost complete, and the installation of the building's soft fit-out – its workstations, furniture, screens and mobile storage – began this month.

In 2004 the Defence Chiefs of Services Committee endorsed six work style principles that provide a framework to link the New Zealand Defence Force organisational objectives with the internal design development of the new headquarters building.

The principles included that the majority of groups will occupy open work environments, and that



WN 06-0030-54

wherever possible the layouts of floors will be standardised in the hard fit-out.

Ample provision was to be made for meeting and conference facilities, and the remaining principles are that staff socialisation be supported with appropriate facilities, non-authorised staff be limited to the ground floor, and records management be centralised.

A large conference facility is being provided on level one (ground floor), together with a suite of meeting rooms. The Defence Public Relations Unit, the library, registry and computer support will be all be located on level one.

The majority of visitors to the building will be limited to the ground floor, although accompanied visitors will be allowed to be escorted beyond level one.

Records management will be centralised, with areas provided on each floor for centralised filing. Filing at individual workstations will be minimised, and archive records stored off-site.

The seven-floor construction is L-shaped, with three cores. The hard and soft fit-out design is by architects from Studio of Pacific Architecture, who were also responsible for the Canberra Anzac Memorial, and various aspects of the Tomb of the Unknown Warrior in Wellington.

Stephen McDougall, from Studio of Pacific Architecture says the interior look and feel of the building reflects the four elements of earth, water, air and fire. The first three elements represent the three Services. "The fire element is what binds them, and is the warmth – the heart - of the interior space," he says. "Fire is the hub, the communication areas where people have informal "accidental" meetings, such as around the utility areas and kitchenettes." Research shows there is a lot of communicating done in these areas, so the architects have provided good seating and lighting to enhance this, says Mr McDougall.

The open plan nature of the building requires something of a paradigm shift in thinking. "The design encapsulates the six work style principles endorsed by the Service chiefs, and includes an emphasis on speech and visual privacy, with desks being arranged in bays, with several small meeting rooms available nearby.

"The meeting rooms are multi-functional, and sized to allow for flexibility and to keep a simple circulation path."

It is expected all floors in the new building will be occupied by the end of March 2007.

All NZDF personnel can follow the progress of the new building on the HQNZDF intranet work forces web site.



New Zealand Defence Update provides information about defence policy and people, and the activities of our forces throughout the world, to a wide audience in New Zealand and overseas. It is published monthly, and is also available on www.nzdf.mil.nz. We welcome your feedback.

Editor: Judith Martin, Defence Public Relations Unit, tel 64 4 4960227, email: Judith.martin@nzdf.mil.nz

Editorial Policy: The opinions expressed in Defence Update are not necessarily those of the New Zealand Defence Force or the Ministry of Defence.

The Defence Public Relations Unit also produces individual publications for New Zealand's Navy, Army and Air Force. These are available on request.

VISIT OUR WEBSITES:
www.defence.govt.nz
www.nzdf.mil.nz

COVER: *The Royal New Zealand Navy's Seasprite helicopter is guided onto the frigate HMNZS Te Kaha's deck.*

WN 06-0030-59

Inset: RNZAF Pilot Officer Michele Manderson at a recent flying exercise in Hastings. Photo: AC Shepherd.

OH 06-0459-22

Revised package for health professionals

Doctors, dentists and nurses within the New Zealand Defence Force are to be offered a revised Conditions of Service package aimed at addressing the challenge of recruiting and retaining quality health professionals to ensure the NZDF's operational outputs are met, says Chief of Defence Force, Lieutenant General Jerry Mateparae.

"At present we have fewer than half the doctors and dentists we need. Expert health care within the NZDF is vital for us to ensure not only our operational outputs are met, but that we can adequately look after our personnel when they deploy or train," says LTGEN Mateparae.

"We have to act now to ensure we have an adequate level of support. We (the NZDF) are competing with the rest of New Zealand and overseas for a scarce resource – the health professional."

An important part of the new remuneration package is that NZDF doctors and dentists will be paid not by rank, but in line with their professional and advanced clinical skills. Royal New Zealand Nursing Corps (RNZNC) officers will continue to be paid in line with rank and responsibility, with some adjustment flowing to NZDF civilian nurses.

The package includes the reimbursement of work-related expenses, such as the membership fees of professional organisations they are obliged to be members of under the Health Practitioners Competence Assurance Act (HPCA). In order to be allowed to practise, some health professionals must belong to certain professional organisations to obtain information relating to their profession.



OH 06-0227-03

*Chief of Defence Force,
Lieutenant General Jerry Mateparae*

Most civilian public service health professionals have these paid by their employer. The new Conditions of Service package also includes the provision of continuing professional development, which is also compulsory under the HPCA.

A further benefit to be provided is the opportunity for additional tertiary training related to their profession. Practitioners who elect to undertake additional training will be subject to a return of service.

LTGEN Mateparae said considerable progress had been made in growing personnel numbers, bringing new capabilities on line, and rewarding personnel fairly.

"We are addressing our current remuneration structures so that they recognise and reward the diversity of skills, experience and requirements to deliver the outputs of a modern defence force. The review of our remuneration strategy is underway now.

"My aim is to reward people in a fair and transparent way whilst ensuring this investment is realised in good organisational performance and delivery of outputs. A quality-driven health service will be provided to all our serving personnel in New Zealand and overseas."

The review to date only addresses conditions for doctors, dentists, and RNZNC personnel. A review of Conditions of Service of allied health professionals, including radiographers, laboratory scientists and pharmacists is due next year, as is a review of the conditions under which non-regular health professionals are employed by the NZDF.

RNZAF medical officer Squadron Leader Paul Nealis.



OH 06-05-05-02

Army doctor Major Graham Wesley loves his job, and says the professional challenges and personal satisfaction it provides are hard to beat.

He acknowledges, however, that while most Defence doctors "probably feel that way", the disparity between conditions of service for Defence uniformed health practitioners and those in the public sector has always been contentious

The Conditions of Service package demonstrates Defence is committed to a long tradition of employing uniformed doctors, and the benefits that this brings to the organisation.

The package, he says, will encourage doctors to join and stay with the NZDF, and become highly-skilled medical professionals.

Based in Burnham, Major Wesley says his job offers variety and a number of challenges. He has completed two tours to East Timor, accompanied weapons inspectors to Iraq in 2002, and served with the New Zealand Provincial Reconstruction Team in Afghanistan last year.

When he is not deployed he is treating service personnel for a range of ailments, or helping prepare personnel for deployment.

Professional development is vital, he says. Later this year he will attend a course at the Johannesburg Hospital Trauma Unit to gain experience in dealing with trauma injuries. The course is at a hospital that deals with thousands of stabbings and gunshot wounds each year, and is recognised as one of the best in the world.

"Health professionals everywhere need to keep their clinical skills current, and the NZDF is no exception."



OH 06-0505-08

Doing business with Defence – Project Protector

Kiwi innovation is coming to the fore with the building of the inshore and offshore patrol vessels for the Navy, and spin-offs from the project are buoying industry in several regions throughout New Zealand.

The four inshore vessels (IPVs), and superstructure modules of the two offshore patrol vessels (OPVs) are being built in Whangarei by Tenix Shipbuilding New Zealand Ltd (TSNZ). TSNZ was established in Whangarei by its Australian parent company Tenix Defence Pty Ltd to meet New Zealand’s industrial commitments to the Anzac Ship Project.

The vessels are being built as part of Project Protector which will see Tenix Defence deliver seven new ships to the Ministry of Defence. They will be commissioned into service with the Royal New Zealand Navy beginning from early next year.

Ultimately the Whangarei firm not only met its NZ industry quotas through building the superstructure modules for the Anzac frigates, but exceeded them. Its Australian parent company also awarded TSNZ with contracts to build hull modules for some of the later (RAN) Anzac frigates.

Now, TSNZ is fully committed to the four Inshore Patrol Vessels, which will patrol New Zealand’s waters out to 25 nautical miles. Already, two-thirds of the first Inshore Patrol Vessel IPV1 (to be named Rotoiti) stands on the paved hard standing at the Tenix site in Whangarei. All four of the 55-metre, 350-tonne IPVs will be built, fitted out and launched in Whangarei.

Collectively Tenix Defence and TSNZ have some 60 sub-contractors and



WN 06-0030-64

Hull modules of the future Inshore Patrol Vessel Rotoiti consolidated at Tenix NZ yard.

suppliers throughout New Zealand doing work and providing equipment with a total value so far of NZ\$108 million out of the targeted \$NZ110 million total New Zealand industry content of the project. The work ranges from structural fabrication and machined components, to electronics and computer software.

The Donovan Group NZ Ltd, manufacturing engineers in Whangarei, is one such sub-contractor. Led by Graham Donovan, the family-owned firm has been cutting steel for the OPV and IPV modules, but their particular success story is the adoption of Friction Stir Welding (FSW) technology to join the overseas supplied aluminium panels which make up the superstructures of the IPVs.

FSW was invented in 1991 in Europe and patented world wide, except in New Zealand where Auckland University had already published a number of papers on the concept. FSW is particularly relevant to aluminium because it works at a



WN 06-0030-56

Brett Donovan, General Manager at Donovan Group, stands next to the bridge mill that is used for Friction Stir Welding.

lower temperature, thus better preserving the quality of the metal without distorting the welded plates.

The Donovan Group -which like most New Zealand engineering firms is very aware of the ease with which clients can contract jobs to Asian companies these days – took the initiative to apply FSW technology to the IPV project. They bought, rebuilt and adapted a Japanese gantry mill for FSW and tendered to Tenix for the welding of aluminium extrusions



WN 06-0030-55

Brett Cave (left) and Dennis Crene of McKays Marine Electrical work on the first ship set for IPV 1.

to form panels for the IPV superstructures. Once Lloyds' approval was gained, Donovans began the extensive welding necessary to fabricate the side and deck panels for the superstructure modules. In the photo left, Brett Donovan stands next to the bed of the bridge mill that is used for FSW, with his hand on one of the pneumatic rams that were developed by Donovans specifically to clamp the weld material down.

The quality control procedures to set up each weld take time, but with the new technology and their adapted mill, Donovans can weld up to 200 metres per day (in contrast, manual welding might achieve 1m per hour). The technology is relevant to truck decks and railway wagon bodies; Donovans have since bought the rights from the European firm so they can now apply the technology to export contracts within the region.

The hangar, funnel and bridge modules for the Navy's two OPVs were barged from their construction site in Whangarei to Williamstown in Australia earlier this year. There they will be joined to other modules to complete the construction. OPV1 is to be launched on 18 November 2006 and OPV 2 in May 2007. The two new vessels, to be named *Otago* and *Wellington* respectively, will be delivered to the Ministry of Defence and commissioned into service with the Royal New Zealand Navy next year.

They will be versatile vessels capable of multi-agency operations in support of national security tasks, and various maritime operations.

The Multi-Role Vessel, which is the largest ship in the fleet of new vessels to be delivered to the Navy, arrived in Melbourne on 24 September after completing a 35-day, 8000 nautical mile delivery voyage from Holland where it was built. During the passage to Australia a variety of weather conditions were encountered, including four days of storms in the Southern Ocean/Great Australian Bight.

Project director Gary Collier, who was on the ship at the time, said up to 9-metre swells and sea state 8 conditions were experienced from the stern quarter. "It performed exceptionally well in those conditions," he said.

In Williamstown, Melbourne, Tenix Defence will fit out the vessel with its weapon and communication systems. The crew will be trained there, and contractor's acceptance trials held before the ship is accepted by the Ministry of Defence, scheduled for late January 2007. The Multi-Role Vessel will, once commissioned, be known as HMNZS *Canterbury*.

Reporting - Richard Jackson, Judith Martin.

For more information on Project Protector visit the Navy and Ministry of Defence websites, www.navy.nz and www.defence.govt.nz

Fact File Project Protector

ONE MULTI-ROLE VESSEL

HMNZS Canterbury

Length: 131 metres

Speed: 19 knots

Crew: 53 Navy, 10 Air Force, 7 Army, four from government agencies, up to 250 soldiers, 35 trainees

Roles: Disaster relief, army transport, naval training, ocean patrol

In service: January/February 2007

TWO OFFSHORE PATROL VESSELS

HMNZ Ships Otago and Wellington

Length: 85 metres

Speed: 22 knots

Crew: 79

Role: Ocean patrol

In service: April and October 2007

FOUR INSHORE PATROL VESSELS

HMNZ Ships Pukaki, Rotoiti, Taupo, and Hawea

Length: 55m

Speed: 25 knots

Crew: 36

Role: Coastal patrol to 25 nautical miles

In service: January, May, September and December 2007

IT at sea – Computer Brokers

Auckland technology integrator Computer Brokers has landed a major contract to supply IT infrastructure to the Project Protector fleet.

The company recently won a competitive tender issued by prime contractor Australian firm Tenix Defence Pty for the supply of computer network equipment for the multi-vessel project.

Computer Brokers will design, procure and deploy computer networks and core systems on all seven vessels. The project is expected to take 12 months to complete.

Noel Simpson, Computer Brokers' general manager, says installing IT on military seagoing vessels poses unique challenges. "The deployment is in a harsh physical environment and must satisfy strict security measures and standards of safety and health."

He says the company has already spent over 500 hours on design for the proposal, and expects a team of three Auckland-based staff to spend several hundred more before getting near its first vessel. "An extraordinary amount of planning has already gone into this project. It's tough fixing problems when you're 200 miles offshore, so exhaustive lab testing is a significant part of the overall project."

Computer Brokers has worked with the New Zealand Defence Force and the Royal New Zealand Navy for 10 years. The contract is a significant win in privately-owned Computer Brokers' 20-year history. "It's not our biggest purchase order but it's certainly a flagship project in our company's history," says Mr Simpson.

Earlier this year the 50-employee company invested \$1.5 million to triple the size of its Albany facility, including the addition of a warehouse to house equipment for large-scale installations.

IN BRIEF

FPDA exercise

Exercise Bersama Padu, the Five Power Defence Arrangements (FPDA) exercise hosted by the Republic of Singapore Navy, ended on Friday 22 September. For the New Zealand Defence Force (NZDF) the combined operation proved extremely successful.



AK 06-0244-19

Commander Joint Forces New Zealand Rear Admiral Jack Steer.

Commander Joint Forces New Zealand, Rear Admiral Jack Steer, said the exercise was essential for the NZDF to develop procedures and relationships, ensuring the NZDF can work alongside FPDA partners as required.

"Without joint exercises like Bersama Padu, our defence forces would struggle to work together effectively in a time of need. Bersama Padu gives us exactly the type of training opportunity we need.

"Bersama Padu ensures interaction and facilitates relationship-building through a range of activities at sea, in the air and at the Headquarters. It reconfirms the ability and professionalism of our Defence Force personnel. We can more than hold our own when operating with much larger defence forces," he said.

The New Zealand contingent included HMNZ Ships *Te Kaha* and *Endeavour*, one P3-K Maritime Patrol Aircraft and personnel from the Navy, Army and Air Force. The



WN 06-0279-01

Singapore Navy personnel during the exercise.

New Zealanders worked alongside 25 ships and 78 aircraft from the Australian, British, Malaysian and Singaporean defence forces.

New Zealander to head Timor-Leste mission



OH 06-0527-01

Colonel Graeme Williams.

The New Zealand Army officer who led the first Kiwi contingent into Bosnia in the mid-1990s has been appointed to head the military component of the United Nations mission in Timor-Leste.

Colonel Graeme Williams is to take up the position of Chief Military Liaison Officer with the United Nations Integrated Mission in Timor-Leste (UNMIT) in October.

He will be responsible for the operational organisation, functioning and effective conduct of 34 United Nations military liaison officers assigned to UNMIT.

The UN mission will be separate from the Australian-led Joint Task Force already deployed to Timor-Leste. The New Zealand Defence Force (NZDF) has 136 personnel in that force.

Colonel Williams, who has served in the former Rhodesia, the Middle East, Bosnia, Croatia/Montenegro and Kosovo says the appointment is a challenge, and he is looking forward to helping restore stability in Timor-Leste.

Although he has not served there – the NZDF has had personnel in varying numbers in Timor-Leste since 1999 – he says he has kept a close eye on developments.

"At this stage it seems one of the key factors in securing stability there may be investing a lot of time in helping establish good governance."

While he will wear a New Zealand Army uniform with a blue United Nations beret, he will have little involvement with the main body of New Zealand personnel in Timor-Leste. One other NZDF officer is attached to the UNMIT team.



OH 06-0251-37

New Zealand soldiers arrive in Timor-Leste.

IN BRIEF

"We report to the special representative of the United Nations. I suppose you could say we will be his independent check of what is going on with respect to security throughout Timor-Leste."

Colonel Williams says he enjoys negotiation, a skill that came in useful in Bosnia.

One of the lessons he says he learned there was that the nature of peacekeeping could be extremely unpredictable.

While he was well prepared with notes on negotiation tactics in Bosnia, he had little time to refer to them. Soon after he arrived he was made chair of the Joint Commission Civilian Executive Committee, a job where he had to organise the return of infrastructure such as water, electricity, and free access for transport. The committee succeeded in obtaining its objectives. "I didn't know I'd end up doing that (being chair). You learn as you go along."

Tolerance, patience, and building relationships are the key, he believes. The Bosnia contingent was the largest to deploy from New Zealand since the Vietnam War. As well as the large number of personnel and huge amount of equipment, the deployment required the peacekeeping skills that have stood the NZDF in good stead in any missions throughout the world since.

"We were well prepared, but Bosnia was a bit of an unknown when we arrived. That said though, I think we made a very positive impact."

Military pageant to be held in Wellington

A military pageant to celebrate the Year of the Veteran will be held in Wellington at Westpac Stadium on Friday 3 November.

Featuring a cast of more than 800, the pageant is the premier event marking the Year of the Veteran and the 90th anniversary of the Royal New Zealand Returned and Services' Association. The one-night only event includes a



The New Zealand Army Band.

Royal New Zealand Air Force fly past, New Zealand Defence Force bands, massed pipes and drums, a simulated battle, a parade of veterans, the Tawa College Choir, Lochiel Drill team, NZ Police dog display, vocalists such as Hinewehi Mohi and award-winning Canadian singer-songwriter Terry Kelly and a fireworks finale.

More than 600 NZDF personnel will be involved in the musical pageant including the NZ Army Band that has just returned from participating in the Edinburgh Military Tattoo in Scotland.

The popular 1812 Overture will be performed with effects provided by the artillery from 16 Field Regiment of Linton Camp.

Battle of the Somme commemorated

The Prime Minister of New Zealand, Helen Clark, joined New Zealand Defence Force (NZDF) personnel at a wreath laying ceremony at the National War Memorial to mark the 90th anniversary of New Zealand's involvement in the Battle of the Somme.

The Right Honourable Lord Falconer, Lord Chancellor of the United Kingdom, the Deputy Speaker of the House of



Chief of Navy, Rear Admiral David Ledson (left) and Colonel Tim Keating, on behalf of the Chief of Defence Force, place roses at the memorial.

Commons, Sir Alan Haselhurst, and diplomatic representatives of those countries which participated in the Battle of the Somme also attended the ceremony.

NZDF personnel provided a tri-Service catafalque guard in the hall of memories to support the commemorations.

New Zealand's participation in the Battle of the Somme lasted 23 days and saw over 2000 Kiwi soldiers killed and more than 7000 injured. The New Zealand casualties were part of a total of over a million soldiers wounded or killed during one of the most significant campaigns of World War I, when the allied forces attempted to break through the German front line in northern France.



Navy veterans exhibition

The Royal New Zealand Navy Museum and Auckland War Memorial Museum are collaborating in an exhibition to celebrate the Year of the Veteran.

The exhibition features large photographs of Royal New Zealand Navy veterans, taken by photographer Nikki Payne. The photos tell the stories of twenty individual Navy veterans and through them the story of the Navy, from World War II to recent campaigns and operations in the Persian Gulf, East Timor and Afghanistan.

Nikki Payne wanted the exhibition to highlight the naval veterans as part of the community. "Naval veterans range in age from their twenties to their eighties (and for some hardy and salty ones, even older). I hope to remind the viewer that our now-elderly veterans were young once - most became veterans in their teens and twenties - and they all have stories to tell. The display sets up conversations and relationships between the photographs: veterans who are still in the Navy, and those who are out of the Navy; those that were at war,

and those who were peacekeepers.

"All the veterans hold a photograph of themselves: the situation where they qualified for one of the medals they



WN 06-003-90 WN

Gulf veteran Leading Marine Technician (Electrical) H Hewitt.



WN 06-003-0-55

Vietnam veteran Surgeon Lieutenant AJ Newson, RNZN (Rtd).

wear. I realised when photographing the veterans that, when they leave the military, the only reminder they have of serving in war, or in an operation, is their medals - and if they are lucky - some photographs. The photograph within the photograph represents the inextricable nature of past and present narratives."

THE NEW ZEALAND DEFENCE FORCE: ALL CORNERS OF THE WORLD NZ DEFENCE FORCE OPERATIONS

CONTRIBUTIONS TO UN MISSIONS	LOCATION	DEPLOYED
UNMIT	Timor-Leste	1
UNMIK	Kosovo	1
UNTSO	Middle East	8
UNCMAC	Korea	3
UNAMI	Iraq	1
UNAMA	Afghanistan	1
UNMIS	Sudan	3
CONTRIBUTIONS TO REGIONAL MISSIONS	LOCATION	DEPLOYED
RAMSI	Solomon Islands	42
CONTRIBUTIONS TO INTERNATIONAL FORCES	LOCATION	DEPLOYED
EUFOR Liaison Team	Bosnia	11
ISAF Staff Officers/NCO	Afghanistan	3
MFO	Sinai	26
OEF Staff Officer/SNCOs	Afghanistan	4
OEF Provincial Reconstruction Team	Afghanistan	120
OEF (RNZAF)	The Gulf Region	6
OEF	Florida, USA	3
Timor-Leste Coalition Force	Timor-Leste	142

NZ DEFENCE FORCE DEPLOYMENTS (As at 1 October)

HMNZS <i>Te Kaha</i>	Asia/Australia	177
HMNZS <i>Endeavour</i>	Asia/Australia	48
TOTAL NUMBER OF PERSONNEL ON OPERATIONS OR DEPLOYMENT		600

REGULAR FORCE STRENGTH (As at 1 October)

Navy	2,023
Army	4,573
Airforce	2,402
TOTAL NZDF RF	8,998
Territorial forces	2,230
Civilians	2,256