

# 2019-20 DIGITAL TERRITORY ACTION PLAN

*The 2019-20 Digital Territory Action Plan is the first annual refresh of the key initiatives that support the five strategic directions in the Digital Territory Strategy, released in October 2018.*

This 2019-20 Digital Territory Action Plan continues the focus on a mix of innovative and pragmatic digital initiatives across a diverse range of activities that will work to deliver the benefits of digital transformation for all Territorians.

The plan presents 68 digital actions that will proceed over the year ahead and beyond, addressing government policy developments, business requirements and technology advances. The plan also presents updates on the achievements and identifies actions continuing from the 2018-19 Action Plan.



# Table of contents

Vision statement .....	1
About the digital action plans .....	1
Our achievements so far .....	2
Digital Strategy Blueprint .....	4
Digital Directions .....	5
Growing Jobs and Business .....	5
Connecting Territory Communities .....	6
Building Digital Skills .....	7
Enabling Smarter Communities .....	8
Improving Government Services .....	9
<b>Our actions .....</b>	<b>10</b>

---

## Common abbreviations

ACARA – Australian Curriculum Assessment and Reporting Agency  
AISA – Australian Information Security Association  
AG – Australian Government  
CBD – Central business district  
CCTV – Closed-circuit television  
CDU – Charles Darwin University  
CfAT – Centre for Appropriate Technology  
ICT – Information and communications technology

NGO – Non-government organisation  
NT – Northern Territory  
NTG – Northern Territory Government  
RTO – Registered training organisation  
STEAM – Science, technology, engineering, arts and mathematics  
STEM – Science, technology, engineering and mathematics  
VET – Vocational education and training



# Vision statement

Enabling Territorians' to make the most of digital technology to build connections, reach their potential and succeed in a thriving digital economy

## About the digital action plans

Each of the five core digital directions has its own action plans made up of initiatives that progress the vision of the strategy.

These directions are:

- Growing Jobs and Business
- Connecting Territory Communities
- Building Digital Skills
- Enabling Smarter Communities
- Improving Government Services

Actions are categorised in three lifecycle phases for the reporting period.



The 2019-20 Digital Territory Action Plan identifies actions that have commenced in response to government policy developments, business requirements and technology advances. The plan also presents updates on the achievements and identifies the ongoing actions from the 2018-19 Action Plan.

This print version of the Action Plan presents summary details only. Additional information on the background and benefits of each action is available on the Digital Territory Strategy website at <https://digitalterritory.nt.gov.au/action-plan>

## Our achievements from the 2018-19 Action Plan

### GROWING JOBS AND BUSINESS



#### Innovation Symposium to showcase innovative products and services developed by local digital businesses

The ICT Industry Association of the NT hosted an Innovation Symposium in April 2019 where over 400 attendees heard from industry experts and local business people on how technology innovation helps business succeed.

The event also showcased innovative digital solutions, services and capabilities of local suppliers that can help solve real world challenges. Attendees benefited from scenario-based business presentations plus a host of networking opportunities all under one roof.

Lead: ICT Industry Partners: NTG

#### NT Government open data portal

The NT Government Open Data Portal was launched in May 2019 with over 250 datasets allowing industry and the community to analyse non sensitive data and join it with other data sources to gain new insights and enhance services.

Lead: NTG

#### Digital Partnerships Program

Six projects involving 15 local businesses have been awarded grants under the program to develop innovative digital solutions that support local jobs and economic development.

Lead: NTG  
Partners: ICT Industry, Local Business

### CONNECTING TERRITORY COMMUNITIES



#### Upgraded and rolled out free community Wi-Fi to 46 communities

Public access Wi-Fi networks were upgraded in 34 remote communities with networks installed in 12 additional communities expanding the coverage and availability of Wi-Fi services to more Territory residents.

Lead: NTG

#### GrantsNT launched

GrantsNT was launched in November 2018, positioning the Northern Territory as the only Australian jurisdiction with an end-to-end digital solution to manage government grants.

Implementation across government agencies is rolling out in alignment with the timing of grant programs.

Lead: NTG

### BUILDING DIGITAL SKILLS



#### Digitised, expanded and updated the government's cyber security awareness program

The government's cyber awareness program was digitised in 2018, delivering a digital internal end user awareness campaign for NT Government employees. Video training tools for the small business and community sector were developed and released on the <https://becybersmart.nt.gov.au> website.

The program was also expanded in 2018 to include a focus on improving opportunities for the business community to participate in the Defence supply chain.

Digitisation will remain a feature for the 2019 program, with the release of a social media cyber awareness campaign aimed to support the seniors and Aboriginal Territorians.

Lead: NTG

### ENABLING SMARTER COMMUNITIES



#### Increased the availability of Wi-Fi in Darwin City

Over 40 Wi-Fi access points have been installed, extending the coverage of the network along the full length of The Esplanade, and from Harry Chan Avenue through to the Knuckey Street end of the Mall.

Lead: Local Government

#### Increased the number of high definition CCTV cameras

26 high definition CCTV cameras have been installed at the Nightcliff Shopping Village, Paterson Street Tennant Creek and the Bakewell shopping centre in Palmerston.

138 high definition CCTV cameras have also been installed in the Darwin CBD by the City of Darwin in consultation with NT Police.

Lead: NTG

Partner: Local Government

### IMPROVING GOVERNMENT SERVICES



#### Commissioned a new Government Data Centre

The new Government Data Centre in Millner has been commissioned, with services being progressively transitioned from the current data centre in the Chan Building. The program continues to track to schedule with collaboration from government agencies and service providers.

Lead: NTG

Partners: ICT Industry

#### Commenced the build phase for the Acacia integrated digital health system

The design phase for the CCSRP program has been completed and incorporates over 4600 detailed functional design requirements, developed in consultation with NT Health clinicians.

Named Acacia, the vendor has commenced configuring the prototype of the system.

Lead: NTG Partners: Intersystems Australia, Dialog IT

### Digital Futures events to inspire women into technology

The inaugural Digital Futures held at the Darwin Convention Centre in May 2019, included the 'My Path to Tech' event, offered free of charge to Territory school students from years 9-11 and the 'Inspiring Women in to Technology' forum, focused on inspiring women of all ages and at all stages of their career to consider a digital career path.

The events focussed on highlighting exciting developments in digital technologies and included keynote speakers, panel discussions, interactive activities and information booths to foster confidence in attendees to grow their digital skills and knowledge so they can take up jobs or pursue a career in the digital workforce. Over 300 people attended the events and attendees provided very positive feedback.

Lead: NTG Partners: Digital Industry

### Other actions achieved

- Established the NT's first Business Innovation Strategy setting out the NT Government's plan to facilitate and support business led innovation.
- Supported local businesses to expand their digital capability through business upskills workshops.
- Considered approaches to attract skilled digital professionals to the Territory in line with the *NT Population Strategy*.
- Used digital technology to engage with recent arrivals, past residents and frequent visitors to the NT and promote the Territory as a preferred location to live, work and play.

### Expanded telecommunications infrastructure in the NT's remote areas through co-investment

The communities of Atitjere, Kintore and Yarralin were connected to mobile phone services over 2018-19 under the NTG/Telstra Remote Telecommunications Co-investment program. Installation work to connect mobile phone services at Belyuen and Alpururulam is in progress and will be completed later in 2019. A service for Bulla is in the design phase as the final community to complete this co-investment program.

Lead: Telstra, NTG

### Other actions achieved

- Modernised government radio transmission networks in remote areas.
- Identified future mobile phone hotspots to expand mobile services in rural and remote areas.
- Tackled cyber bullying through education awareness programs.

### Extended digital skills challenge events to children in regional centres

Students across the Territory participated in digital skills challenge events which encourage team work and digital creativity. *FIRST®* Lego® League tournaments were held in Darwin and Alice Springs, and a set of digital challenges was released as part of the National Innovation Science Agenda. These online resources mean all schools, including regional and remote schools, can embed digital challenge events into the broader educational programming at their school.

Lead: NTG

### CDU courses in STEM, cyber security and digital technologies

CDU has been preparing a new Bachelor of Digital Enterprise course, to be introduced in 2020, combining digital technology competencies with communications, business strategy and change management competencies. This program is focussed on meeting industry needs with job ready graduates.

The university has also been trialling the delivery of micro credentials programs which allow participants to obtain certified qualifications for short courses or individual units that confirm proficiency in specific skills areas.

Lead: CDU

### Digital communications network for the Darwin CBD

The City of Darwin deployed a multi-tiered communications network allowing the council to plug in multiple smart technologies to meet the emerging needs of the council and the community. These technologies include public lighting controls, environmental sensors, smart parking monitors and CCTV devices.

Lead: Local Government

### Other actions achieved

- Installed a modern ambient sound system in the Darwin CBD

### Introduced a digital services policy for government

The Digital Services Policy was published in September 2018 and specifies the service design principles and solution development protocols for NT Government agencies to provide smart, secure and accessible people-focused digital services. The accompanying Digital Service Standard released in February 2019 specifies the accountability requirements and controls to apply the Digital Services Policy.

Lead: NTG

### Other actions achieved

- Planned the implementation of SerPro, an integrated digital system to support frontline police services.
- Enhanced the government infrastructure management system (ASNEX).
- Improved the centralised reporting and tracking of key government initiatives.
- Investigated refresh approaches for the NT Government website, [www.nt.gov.au](http://www.nt.gov.au).
- Commenced a program to implement an integrated child protection and youth justice solution.

# Digital Strategy Blueprint

DIRECTIONS

KEY FOCUS AREAS

## Growing Jobs and Business



Assist businesses to identify digital requirements for jobs and plan to enable Territorians to take up the jobs of the future

Attract digital specialists to the Northern Territory to work, guide and supplement the local digital sector

Encourage Territory businesses to adopt digital capabilities through ICT industry leadership and support

Enable business innovation and development of new digital solutions through making government datasets open, accessible and free to reuse

Promote proactive cyber smart practices so NT businesses can better protect their reputation and viability

## Connecting Territory Communities



Work with telecommunications providers and the Australian Government to improve communications infrastructure to remote communities and locations across the Territory

Increase Territorians' access to digital services so everyone can be engaged and included in digital opportunities

Design digital communications and services that meet divergent community needs recognising Aboriginal culture, bush and urban communities and their differences

Link communities with the ICT industry and digital entrepreneurs to develop new solutions to long-standing problems

## Building Digital Skills



Grow the science, technology, engineering, arts and mathematics (STEM) capabilities of Territory children to establish the digital skills needed for future careers

Develop Territorians' digital knowledge and skills to take up new opportunities in the digital industries in the Northern Territory

Encourage people from all age groups, backgrounds and places across the Territory to expand their digital know-how to get the most from new technology

Establish cyber security and data science education opportunities to grow these specialised and in-demand skillsets

## Enabling Smarter Communities



Encourage greater application of digital technology at the community level

Take advantage of modern sensor systems and data analytics to better integrate activity and make it easier for people to live, work and move about in the community

Leverage digital innovation to progress contemporary and eco-friendly transport options

Improve community sustainability through digital advancements that encourage less energy and water use

## Improving Government Services



Deliver modern government digital services that are customer-centric and simple to use

Establish government ICT applications on efficient and sustainable platforms

Maintain secure government systems to protect Territorians' data

Strengthen digital foundations for government and the community to effectively support and enable the digital transformation journey

Make online identity verification transactions with government easy



# Growing Jobs and Business Our 2019-20 new actions

Digital technology is changing the Territory's business environment, opening up new opportunities for growth.

## Headline Actions

### Satellite ground station in Alice Springs

CfAT Satellite Enterprises Pty Ltd will build and own a satellite ground-station, near Alice Springs, comprising two 7.3 m antennas. Commercial operation will be licenced to Viasat Inc. The ground station will form part of Viasat's Real Time Earth business, a network of nine ground-stations globally, providing low latency earth observation satellite data.

Deliver Phase    Lead: Centre for Appropriate Technology

### Multiple language translations for tourism website

The official tourism website, <https://northernterritory.com/> is being translated into seven international languages including French, Italian, German, Japanese, Chinese (traditional) and Chinese (simplified). Tourism NT will develop an automated translation solution that will ensure translations stay up to date when new content is created.

Deliver Phase    Lead: NTG

## Deliver Phase

Hold the Northern Territory Digital Excellence Awards 2019, which formally celebrate individuals and organisations that showcase and promote examples of digital excellence and innovation in the NT.

Lead: Digital Industry representative bodies

Implement the Reel Scout system for Screen Territory, to showcase NT locations. NT screen businesses and practitioners will be able to register and promote online their area of expertise and experience in a particular screen craft.

Lead: NTG    Partners: Screen Industry

Horticulture researchers are transitioning from paper based forms to mobile phones and tablet devices to enhance the collection of plant growth measurements. This data will assist the horticulture industry to improve crop results as part of a focus on agtech.

Lead: NTG    Partners: Horticultural Industry

Develop an online portal for requests for quotations and notification of awarded work for services procured under government's ICT Specialist Services Contract.

Lead: NTG    Partners: ICT Industry

Finalise establishment of a new backup data centre to provide disaster recovery resilience in the NTG ICT environment.

Lead: NTG    Partners: ICT Industry

Digitise commencements of new NT Government employees with the implementation of the myCommencement system.

Lead: NTG

## Design Phase

Introduce a portal for businesses to complete transactions online, including vehicle registrations and transfers, which currently require attendance at the Motor Vehicle Registry.

Lead: NTG

Progress development of the six digital solutions awarded funding under the Digital Partnerships Program.

Lead: Local Business    Partners: ICT Industry

Procure a new digital payments solution, NTGPay, to electronically receive and process invoices from NT Government suppliers.

Lead: NTG

Conduct an independent review of government ICT procurement activity to advise ways to increase the benefits to local industry and agencies.

Lead: NTG    Partners: Digital Industry

## Explore Phase

Conduct a study to examine the scope, viability and requirements to establish a commercial medium to large scale high security data centre in Darwin, with the intention of servicing national and international markets.

Lead: NTG    Partners: ICT Industry

Investigate the potential for birthing sensors to alert when calving has occurred and tag calves with digital sensors that allow researchers to identify calf movements and mortality as an agtech initiative to help the Northern Territory pastoral industry.

Lead: NTG





# Connecting Territory communities Our 2019-20 new actions

A digitally connected Territory: linking rural, remote and urban Territorians and building stronger ties for families, communities and business.

## Headline Actions

### Upgrade the NT Police, Fire and Emergency Services urban digital radio network

This initiative will upgrade the digital radio communications network used by Northern Territory Police, Fire and Emergency Services, St John Ambulance and other NT Government and Federal agencies in urban areas to provide more reliable and secure communications for public safety and emergency services. The upgraded network will use the P25 standard specifically developed for public safety services to support interoperability of communications equipment from different suppliers and provide the capability for encryption and transmission of data over the network.

Design Phase Lead: NTG Partners: Radio Communications Industry

### Expand mobile phone services in Kakadu National Park

Mobile phone services will be installed at the major attractions in Kakadu National Park under a partnership between the NT and Australian governments. The new services will help boost tourism and enhance safety for visitors to the park and local residents.

Explore Phase Lead: NTG, AG

## Deliver Phase

Install and commission an undersea fibre optic cable connecting the Tiwi Islands to the national telecommunications network.

Lead: Vocus Partner: NTG

Upgrade or install video conference services for courts in remote communities with adequate bandwidth as part of the Women's Safety Package National Partnership Agreement.

Lead: NTG Partner: AG

Build and install six new mobile phone hotspots in regional and remote areas of the NT.

Lead: Centre for Appropriate Technology

Streamline online services for prisoners to maintain connections with families, enhance education opportunities and reduce travel costs for families.

Lead: NTG

## Design Phase

Commence the next round of the NTG/Telstra Remote Telecommunications Co-Investment program comprising \$28 M over 4 years to extend telecommunications services to more remote locations and communities in the NT.

Lead: Telstra, NTG

Consider and review the evolution of supporting technologies and increased bandwidth in regional and remote areas to support improvements in the use of Telehealth and Telemedicine in the delivery of health care services.

Lead: NTG Partners: Health Service Providers

Present health information to Aboriginal people through the use of digital story boards with images, narration and text to reduce communication barriers and improve understanding of medical conditions and associated treatments.

Lead: NTG

Collaborate with the health industry to support digital innovation opportunities that improve health services and reduce costs.

Lead: NTG Partners: Health Service Providers

Enhance the experience for users of NTG websites by applying standard design principles, reducing duplicated content, improving web site integration and moving to incorporate a focus on life events such as the birth of a child.

Lead: NTG

## Explore Phase

Develop a system that provides future travel information for NTG staff to ensure coordination and awareness of the purpose and mode of travel to remote communities.

Lead: NTG

Consider trialling effective and innovative location based solutions to reduce the digital divide through improving data accessibility in very remote communities.

Lead: Communications Industry

Advocate and collaborate with Federal and state governments to address the digital divide, particularly in regional and remote communities.

Lead: NTG, Australian governments.





# Building digital skills Our 2019-20 new actions

Digital knowledge and skills are an essential foundation for digital jobs and future success. A whole of community learning approach will be needed.

## Headline Actions

### Implement Education's Digital Strategy

Improve education outcomes through the Department of Education's digital strategy *Accelerate - Education for all with technology and information, 2019-2022*, which identifies the approach to use of technology, information and data. The strategy takes a human centric approach, addressing the needs of students, teachers, school leaders, families and partners and links these to both foundational and transformational priorities for the next three years.

Deliver Phase    Lead: NTG

### Participate in national cyber security exercises

The NT will participate in national cyber security exercises to test incident response and inter-jurisdictional arrangements under Australia's Cyber Incident Management Arrangements. The program uses exercises and other readiness activities to practice strategic decision-making, operational and technical capabilities, strategic engagement and communications required to effectively respond to cyber security incidents.

Deliver Phase    Lead: NTG, AG

### Deliver Phase

Transition from paper to online testing for the National Assessment Program Literacy and Numeracy (NAPLAN) tests and the South Australia Certificate of Education (SACE) exams taken by senior secondary students.

Lead: Education Sector

Upskill and re-skill existing workers in occupations affected by significant change through the Industry Buildskills Program.

Up to 50 ICT professionals from the NT are participating in the program, gaining Advanced Diplomas in either ICT Project Management or ICT Business Systems Analysis.

Lead: Training Sector

Participate in the NT Preschool STEM Games supporting preschool teachers to deliver STEM-based learning in a fun and engaging way.

Lead: Education Sector    Partners: University of Melbourne

Promote new pathways for the Master of Information Technology degrees, allowing graduates to enter with any bachelor degree.

Lead: CDU

### Design Phase

Improve student outcomes from the classroom to the boardroom through transforming availability and application of data.

Lead: Education Sector

Hold the Digital Futures 2020 events: My Path to Tech and Inspiring Women in Technology with a focus on encouraging secondary school students and women to consider pursuing careers in the digital sector.

Lead: NTG    Partners: Digital Industry

Plan the establishment of a Cyber Security Operations Centre to increase government's capability to detect, analyse and respond to cyber security incidents, in conjunction with service providers and external agencies.

Lead: NTG

### Explore Phase

Create a 'Remote Virtual College' to enable remote and transient senior year students to access learning 24/7 outside the traditional physical classroom environment.

Lead: NTG

Investigate the benefits and costs of implementing a common eLearning platform to deliver training and skills development for NT Government staff.

Lead: NTG



# Enabling smarter communities

## Our 2019-20 new actions

The Territory's challenge is to harness smart solutions that are affordable and suit our unique environment and circumstances.

### Headline Actions

#### Applying artificial intelligence for flora and fauna research

A proof of concept is underway using a Microsoft Cognitive Services computer vision system to analyse pictures from camera traps to identify target species for review by scientists. Previously scientists had to manually review all images from camera traps, including many triggered by the wind or unwanted species. The next stage in the project is refining and training the system to recognise the taxonomy of the animals captured in the images.

Opportunities are also being examined to use Cognitive Services to analyse drone footage recorded by CSIRO scientists in Kakadu National Park to detect *Salvinia*, an introduced weed that infests water bodies.

Design Phase      Lead: NTG

#### Increase the number of electric vehicles in the NT Government fleet

As more models become available, and the capital costs decline, it is planned to increase the number of electric and hybrid vehicles in the NT Government fleet. Dedicated charging stations will be provided at government offices to support electric and hybrid vehicles, commencing with installations at the Charles Darwin Centre and Manunda Place.

Deliver Phase      Lead: NTG

#### Deliver Phase

Enhance the Bushfire Emergency Management System to streamline operations and assist to improve the effectiveness of volunteer fire fighters.

Lead: NTG      Partner: Volunteer Firefighters

Deploy a self-service portal for existing electricity customers to complete everyday transactions online.

Lead: NTG

#### Design Phase

Use virtual reality technologies to showcase the history, culture and the landscapes of West Arnhem Land, which tell the stories of local Indigenous people and provide viewers with 360 degree immersive experiences.

Lead: NTG

Develop a Remote Areas Issues and Engagement System (RAISE) to capture and respond to remote community issues and questions.

Lead: NTG

Work to improve the coordination of services across government by enabling the secure sharing of key digital data between agencies.

Lead: NTG

Host a digital healthcare Think Tank to address systemic challenges in the sector through effective application of digital technology.

Lead: NTG      Partners: Health Service Providers

#### Explore Phase

Investigate the opportunities for use of drones and 3D scanning technologies to perform condition inspections of public housing.

Lead: NTG

Expand the use of drones for surveillance of bushfires and rangeland and biodiversity monitoring.

Lead: NTG

Use facial recognition services to improve licensing for drivers, including avoiding issue of duplicate driver's licences.

Lead: NTG

Partners: AG, other state and territory governments

Examine the best way to publish information and reports for the community on onshore gas exploration activities.

Lead: NTG



# Improving government services Our 2019-20 new actions

Digital technology is changing the expectations of Territorians for government service delivery.

## Headline Actions

### Develop a digital government transformation plan

A Digital Government Transformation Plan will be developed as a key government initiative from the *A plan for budget repair – final report* (Budget Repair Report). This plan will build on the directions and actions in the Digital Territory Strategy and apply the Digital Services Policy. The transformation plan will identify the technologies and business processes that offer the greatest potential to enhance the quality of services to the community, create efficiencies in the delivery of services and reduce the cost to government.

Explore Phase    Lead: NTG

### Create an integrated budget management system

Develop a single integrated budget management system for NTG agencies, providing cost centre level budget allocation and expenditure tracking. The system, SAGE, will enable disciplined budget management monitoring, real-time financial performance and cash flow analysis (Budget Repair Report).

Design Phase    Lead: NTG

### Deliver Phase

Centralise NT Government ICT services and solutions in the Department of Corporate and Information Services.

Lead: NTG

Build, configure and test the Acacia digital health system, under the Core Clinical Systems Renewal Program.

Lead: NTG    Partners: Intersystems Aust, Dialog IT

Improve reporting for NT Health services through redevelopment of Health's Enterprise Data Warehouse.

Lead: NTG

Finalise the relocation of the NT Government data centre from the Chan Building to the Millner data centre.

Lead: NTG

Provide mobile access to client information for Territory Families field-based staff.

Lead: NTG

Progress implementation of a digital court case management system.

Lead: NTG

Build, configure and test the SerPro system to support delivery of frontline police services.

Lead: NTG    Partners: Niche Technology, Digital Industry

### Design Phase

Acquire an integrated child protection and youth justice digital system to improve outcomes for Territory children and families.

Lead: NTG

Establish a text-based chatbot to assist Motor Vehicle Registry staff to answer customer queries.

Lead: NTG

Identify practical approaches that will encourage adoption of a digital-first mindset across government agencies as a foundation for digital transformation initiatives (Budget Repair Report).

Lead: NTG

Undertake a whole of government ICT systems stocktake to identify the functions of each system, technology base, life cycle phase and interdependencies with other systems (Budget Repair Report).

Lead: NTG

Develop a data governance framework for NT Government data in consultation with stakeholders across government.

Lead: NTG

### Explore Phase

Develop and maintain a five-year NTG ICT system roadmap outlining priority projects and major system replacement requirements (Budget Repair Report).

Lead: NTG

Identify and consider ways to rationalise the number of bespoke or standalone ICT systems across the NT Government (Budget Repair Report).

Lead: NTG

Commence preparation of an automation roadmap for NT Government service delivery, involving stakeholder engagement and jurisdictional research (Budget Repair Report).

Lead: NTG

## Our actions continuing from the 2018-19 Action Plan



### GROWING JOBS AND BUSINESS

#### Deliver Phase

The joint NTG/NT ICT Industry Association Working Group is progressing ways to increase collaboration between government and the ICT sector. A revised Industry Engagement Plan is being developed.

Lead: NTG / NT ICT Industry Association

Partners: ICT Industry Members, NTG Agencies

#### Design Phase

Developing job pathways for Territory women and girls in the digital sector, particularly in the local ICT industry, helping to foster a more gender balanced workforce.

Lead: ICT Industry

Partners: NTG, Education Institutions

An information system for capturing and presenting natural resource data to residents, businesses and scientists informing future water and land management activities is being designed.

Lead: NTG

ICT Services Contracting Model for sourcing NTG ICT services to meet government needs and encouraging local participation is being revised.

Lead: NTG

#### Explore Phase

Bring digital industry participants together to identify priority issues for the local digital industry and find approaches that will boost growth opportunities.

Lead: NTG Partners: Digital Industry

Investigate ways to deliver free and open access data from the future City of Darwin smart city platform.

Lead: Local Government

Explore the potential to establish a Joint Cyber Security Centre presence in Darwin, involving the AG and AustCyber.

Lead: NTG Partners: AG, Digital Industry

Define future workforce skills needed in the NT and update the NTG's ICT Capability Framework so workers better understand and prepare for digital roles.

Lead: NTG Partners: ICT Profession



### CONNECTING TERRITORY COMMUNITIES

#### Deliver Phase

Improving the BushTel application and make it easier for people to find the information they need about remote communities online.

Lead: NTG

#### Design Phase

Design and manufacture an undersea fibre optic cable that will connect the Tiwi Islands to the national telecommunications network, strengthening digital connections to the islands.

Lead: Vocus Partner: NTG

Expand and improve remote connectivity to improve access to education and other services for remote Territory children.

Lead: NTG

Co-invest to expand remote telecommunications infrastructure for Aplurrulum, Belyuen and Bulla.

Lead: Telstra, NTG

Determine how best to collect data in remote communities so that this information can be used in future Telstra digital inclusion index reports.

Lead: Digital Industry Partner: Telstra

#### Explore Phase

Build on outcomes from the Remote Telecommunications Ideas Exchange for service providers to find sustainable solutions for better and more affordable internet access in regional and remote areas.

Lead: Telecommunications Sector, Digital Sector

Partners: AG, NTG



### BUILDING DIGITAL SKILLS

#### Deliver Phase

Implement the Digital Technologies learning area and the ICT capabilities of the Australian Curriculum across NT schools to establish foundational digital capability.

Lead: NTG

Construct a state-of-the-art STEAM Centre at Darwin High School.

Lead: NTG

#### Design Phase

Prepare an approach for developing cyber security awareness programs designed to support vulnerable and digitally disadvantaged Territorians.

Lead: NTG Partner: Community Sector



## Explore Phase

Encourage digital careers through cross sector work readiness programs.

Lead: Digital Industry

Partners: NTG, Educators, Research Sector

Build partnerships between the education sector, digital innovators and industry to grow STEM education and increase digital skills.

Lead: NTG

Partners: Education Sector, Digital Industry

Plan approaches with RTOs to deliver cyber security VET courses in the NT to increase the number of cyber skilled workers.

Lead: NTG

Partners: Education Sector, AusCyber, Skilled Australia, CDU

Undertake a feasibility assessment of options for developing a Northern Australian remote health, science and technology park in Darwin.

Lead: NTG

Partners: Tertiary Education Sector, Private Philanthropists



## ENABLING SMARTER COMMUNITIES

### Deliver Phase

Install smart street lighting to improve community safety and reduce energy consumption in Darwin as part of Switching on Darwin project.

Lead: Local Government Partner: NTG

### Design Phase

Design a smart city platform for Darwin City incorporating smart controllers, data analytics and sensors for video, sound, climate and environmental conditions.

Lead: Local Government Partners: NTG, AG

Trial smart parking in Darwin using digital technology to advise travellers of available parking and provide electronic payment options.

Lead: Local Government Partner: NTG

### Explore Phase

Get ready for electric cars by fostering the deployment of electric vehicle recharging solutions and use of electric vehicles.

Lead: NTG Partner: Vehicle Industry

Respond to the Australian Government's requirements for developing nationally consistent regulatory measures that enable safe experimentation and take-up of autonomous vehicles.

Lead: NTG Partner: AG

Investigate education programs that use digital technology to monitor and reduce consumption of natural resources to minimise impact on the environment and provide for sustainable services into the future.

Lead: PWC



## IMPROVING GOVERNMENT SERVICES

### Design Phase

Improve resilience of government's ICT network and service delivery through a dual data centre model.

Lead: NTG Partner: Digital Industry

Increase NT Government's cyber security capacity and capability to better protect systems and data from cyberattacks.

Lead: NTG Partner: Digital Industry

Procure a customer-centric digital forms platform that will enable Territorians to do more business with government online.

Lead: NTG

### Explore Phase

Plan and scope an automated workflow that transfers non restricted data in real time between police, justice and corrections to improve efficiency, accuracy and service delivery.

Lead: NTG

Monitor development of digital identification technology at the national level that will enable the government to verify Territorians' identities, expediting processing times and reducing the need for paper-based proof of identity.

Lead: NTG

[digital.territory@nt.gov.au](mailto:digital.territory@nt.gov.au) | [digitalterritory.nt.gov.au](http://digitalterritory.nt.gov.au)

