TÜRKİYE ODALAR VE BORSALAR BİRLİĞİ

Dumlupınar Bulvarı No:252 (Eskişehir Yolu 9. Km.) 06530 /ANKARA www.tobb.org.tr - tobb@hs01.kep.tr

Sayı : E-34221550-720-7406 **Tarih**: 23.07.2024
Konu : Telekomünikasyon Sektörünün Altyapısının Geliştirilmesine Yönelik ABD'nin Finansal Destekleri Webinarı

TÜM ODA VE BORSALARA
(Genel Sekreterlik)

İlgi : Ticaret Bakanlığı'nın 22.07.2024 tarih ve 98940258 sayılı yazısı.

ABD Uluslararası Kalkınma Finansman Kurumu (DFC.gov), Eximbank (EXIM.gov), Ulusal Telekomünikasyon ve Bilgi İdaresi (NTIA.gov) ve Ticaret ve Kalkınma Ajansı (USTDA.gov) temsilcilerinin katılımıyla, 17 Temmuz 2024 tarihinde, telekomünikasyon sektörünün altyapısının geliştirilmesine yönelik ABD'nin sağladığı finansal desteklere ilişkin gerçekleştirilen webinarda ABD temsilcileri tarafından yapılan sunumlar ekte yer almaktadır.

Bilgilerini ve üyelerinize duyurulmasını rica ederim.

Saygılarımla,

e-imza
Ali Emre YURDAKUL
Genel Sekreter Yardımcısı

EK:
1- DFC Sunum (14 sayfa)
2- EXIM Sunum
3- NTIA Sunum
4- USTDA Sunum

Bu belge, 5070 Sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile İmzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

DFC U.S. International Development Finance Corporation



U.S. International Development Finance Corporation

Investing in Development

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odabersa6b.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

DFC U.S. International Development Finance Corporation

Who We Are

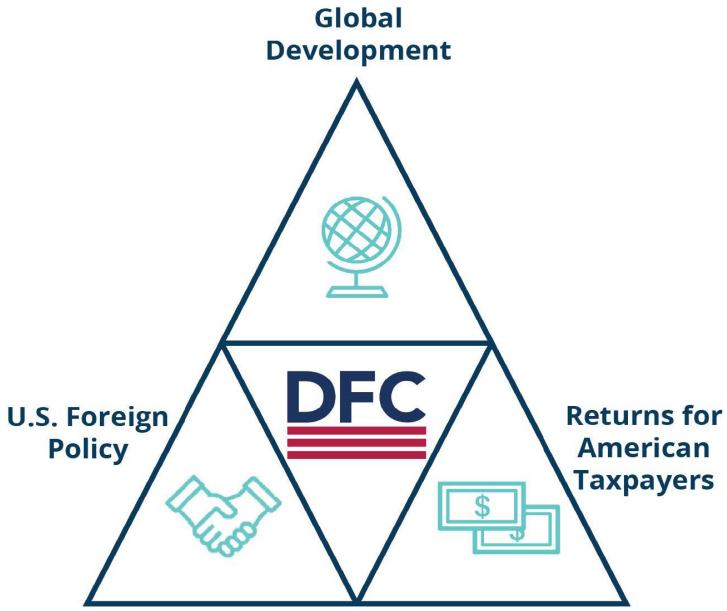
U.S. International Development Finance Corporation (DFC) is **America's development bank.** DFC partners with the private sector to finance solutions to the **most critical challenges** facing the developing world today.



Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

DFC U.S. International Development Finance Corporation

Our Model



DFC's Triple Aim model has three key components:

- **Development:** We mobilize private sector investment to advance development in emerging economies around the world.
- **Foreign Policy:** We serve as a critical tool of American foreign policy, mobilizing investment in regions of critical strategic importance.
- **Returns:** Our investments generate returns for American taxpayers.

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

DFC U.S. International Development Finance Corporation

What We Offer



Equity Financing

Direct equity and support for investment funds



Political Risk Insurance

Coverage of up to $500 million against losses due to currency inconvertibility, government interference, and political violence including terrorism. DFC also offers reinsurance to increase underwriting capacity



Debt Financing

Direct loans and guaranties of up to $1 billion for tenors as long as 20 years, with specific programs targeting small and medium U.S. businesses



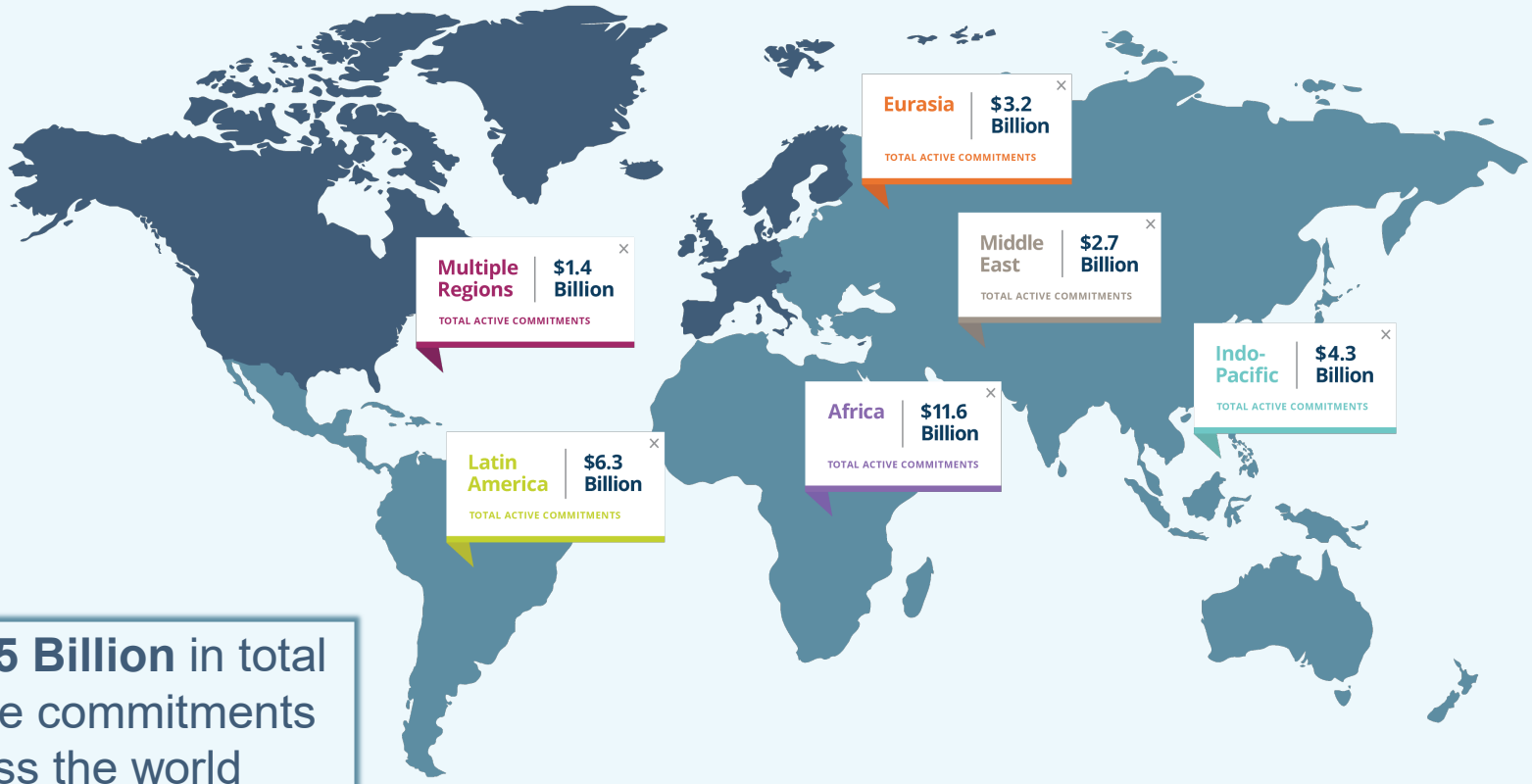
Technical Development

Feasibility studies and technical assistance accelerate project identification and preparation to better attract and support private investment in development outcomes

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

DFC U.S. International Development Finance Corporation

Where We Work



$29.5 Billion in total active commitments across the world

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

DFC U.S. International Development Finance Corporation

Investment Priorities



Energy

Help countries meet the growing demand for energy in remote and developing areas, expand access to renewable energy, and promote energy independence



Healthcare

Provide ready access to medical professionals, facilities, and lifesaving treatments, as well as promote critical water, sanitation, and hygiene projects



Critical Infrastructure

Invest in critical infrastructure projects, with a priority on digital infrastructure to include 5G mobile networks, fiber optic networks, and data centers.



Technology

Connect emerging markets to the world by creating new opportunities for the developing world to leapfrog traditional boundaries



Financing for Small Businesses and Women Entrepreneurs

Emphasis on investing in women entrepreneurs and small businesses to create jobs and opportunity at the local level that can be reinvested to grow communities

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

DFC U.S. International Development Finance Corporation

Make the Internet More Affordable and Accessible

- Finance **digital infrastructure** (MNOs, fiber, data centers, etc.), the backbone of global broadband demand
- Support **new business models** that bring ICT services to underserved communities, including rural last mile.



Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

DFC U.S. International Development Finance Corporation

Build Secure, Trusted Next Generation Networks

- Finance partners building **trusted networks**, including ‘rip and replace’.
- Fund **5G** or **O-RAN** using trusted multi-vendor interconnectivity and interoperability solutions.



Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

Transaction Examples

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

DFC U.S. International Development Finance Corporation

Apollo Towers (Myanmar)



Project highlight: $250 million loan for greenfield telecommunications tower rollout, with the aim of raising mobile network access.

Successful delivery of over 1,800 towers servicing four telecom operators.

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

DFC U.S. International Development Finance Corporation

Africell (Africa Regional)

Project highlight: $100 million loan to invest in cellular networks in DRC, Sierra Leone, The Gambia, and Uganda.

Supported the development of over 120 new towers, as well as upgrades to and expansion of its 2G, 3G and 4G networks.

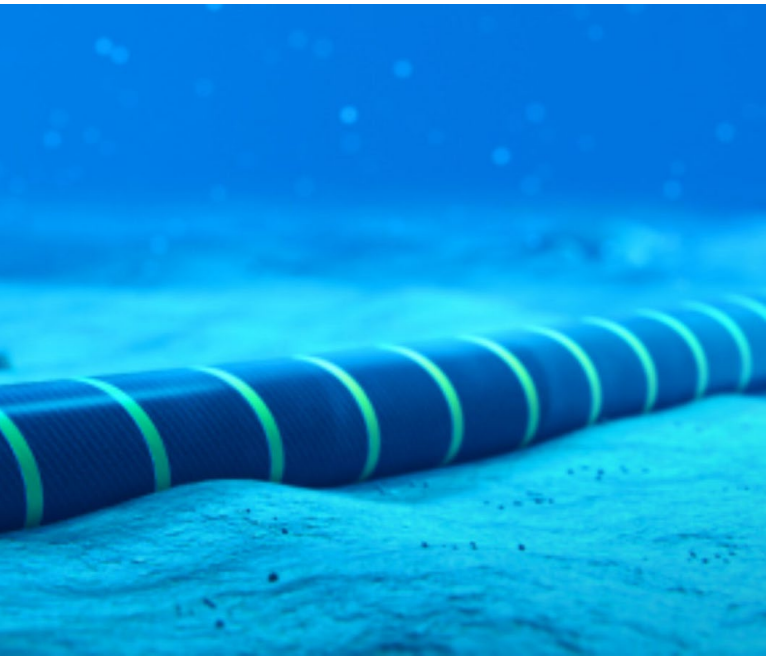


Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

DFC U.S. International Development Finance Corporation

Trans Pacific Networks



Project highlight: $190 million loan to support a subsea fiber optic cable between the United States and Singapore, with branches serving Indonesia, Guam, and Palau.

The project is the longest subsea cable in the world (15,200 km).

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

DFC U.S. International Development Finance Corporation

Organizations DFC Supports

- Mobile Network Operators
- Internet Service Providers
- Cellular Tower Companies
- Fiber Optic Network Companies (land and subsea)
- Satellite-based Network Providers
- Data Centers
- IT Platforms and e-commerce providers.

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

DFC U.S. International Development Finance Corporation

Contacts & Resources

Contact

Brian Whitesides
Director, Structured Finance
bwhitesides@dfc.gov

U.S. International Development Finance Corporation (DFC)

1100 New York Avenue, N.W.
Washington, D.C. 20527 USA

Resources

For more information, visit **www.dfc.gov.**

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

EXIM
EXPORT-IMPORT BANK
OF THE UNITED STATES

Reducing Risk. Unleashing Opportunity.

Financing tools available through EXIM for U.S. Exporters

Benjamin Todd
Vice President, Global Business Development

Annie Do
Senior Program Advisor, China and Transformational Exports Program (CTEP)

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

EXIM
EXPORT-IMPORT BANK OF THE UNITED STATES

Who We Are

EXIM is the official export credit agency (ECA) of the United States Government.

Mission: Supporting American jobs by facilitating the export of U.S. goods and services.

- Fills gaps or complements private-sector lender/insurance offerings.
- Levels the playing field for U.S. companies competing for global sales.



Minimum Requirements

- U.S. based export
- Foreign buyer
- Reasonable assurance of repayment

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://edaborsadoks.tobb.org.tr/4/3/ise/kamurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

EXIM's history includes many landmark projects

1930s

1934 The Export-Import Bank of Washington is established to assist in sustaining U.S. employment during the **Great Depression**.

1938 The Bank approved a $22 million loan to China supporting U.S. exports to build **the Burma Ro**



1938 The Bank authorized a $5.5 million loan to Haiti supporting exports for the improvement of economic conditions.

1940s-1960s

1941 EXIM authorizes financing of U.S. exports for the construction of the **Pan American Highway**.



1943 EO 9380 transfers the EXIM from the **Office of Economic Warfare** to the **Foreign Economic Administration**

1945 The Export-Import Bank Act of 1945 establishes EXIM as an independent agency. Lending authority is increased.

1945 The Bank authorizes more than $2 billion for **post-World War II reconstruction** in Europe, Asia, and Africa.

1947 EXIM is designated to administer funds for the Economic Cooperation Administration under the **Marshall Plan**.

1948 At the **Cold War's** outset, EXIM increased lending to **promote the production of strategic materials**, causing EXIM to open for business in the Middle East, Africa, and Asia.

1948-1951 EXIM activity in Latin America jumped from 14% to 63% of total disbursements, in response to political events and natural disasters.

1960 EXIM provided short-term export credit insurance through the Foreign Credit Insurance Agency for the first time, which continued until 1992 when EXIM assumed administration of its insurance products.

1962 EXIM approved a $55 million credit to **Portugal** supporting U.S. exports to build Lisbon's Tagus River Bridge, the longest suspension bridge in Europe.



1968 "The Export-Import Bank of the United States" becomes the agency's official name under P.L. 90-267.

1980s-1990s

1982 EXIM joined other USG agencies and the IMF to provide a $10b financial package for **Mexico**.

1984 EXIM launched working capital lender loan guarantee and short-term umbrella policy to support small business exporters.

1989 EXIM opened in the **former Soviet Union** and for the first time since WWI in Poland and Czechoslovakia.

1992 The Export Enhancement Act of 1992 directed EXIM to consider potential environmental impacts of projects and provide environmental and social impact assessments where required.

1998 EXIM provided a $1b short-term insurance facility to support U.S. exports to South Korea during the **Asian Financial Crisis**.

2000s

2000 EXIM approved a $300m loan guarantee financing U.S. exports to build the Chad Cameroon pipeline to transport crude oil to the Atlantic Coast.



2011 EXIM financing for sub-Saharan Africa exceeded $1b for the first time.

2012 In the aftermath of the **global financial crisis**, EXIM reaches a historic level of nearly $35.8b in authorizations, supporting a record $50b of U.S. exports and an estimated 255,000 American jobs.

EXIM

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

EXIM is the U.S. Government's Official Export Credit Agency

EXIM offers financial products that benefit companies and governments *purchasing U.S. goods and services*

Products	Structures
Short and Medium-Term Insurance	Corporate Finance
Working Capital Guarantees	Project Finance
Medium and Long-Term Loan Guarantees	Sovereign Backed
Long-Term Loans	Asset Backed

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

EXIM has three "C's" that it looks at when evaluating a transaction

Country	EXIM must be open in the country. • *We're **open in most markets Globally*** • *Key reference: EXIM's Country Limitation Schedule (CLS)*
Content	EXIM financing is tied to U.S. procurement • *Most sectors qualify for EXIM support* • *Key document: The underlying U.S. supply contract*
Credit	EXIM counterparties must be bankable • "Reasonable Assurance of Repayment" • Private Sector: Audited Financial Statements • Public Sector: MOF Guarantee

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

EXIM has several more policy requirements

Ex-Im Bank Charter

- Reasonable Assurance of Repayment
- Additionality
- Economic-Impact Assessment
- Environmental Regulations
- Exports non-military in nature (military buyers not eligible)

U.S. Content Policies

- Coverage for Services
- Exporter Certificates

U.S. MARAD Requirements

OECD Arrangement

- Maximum Re-Payment Term
- Minimum Exposure Fee

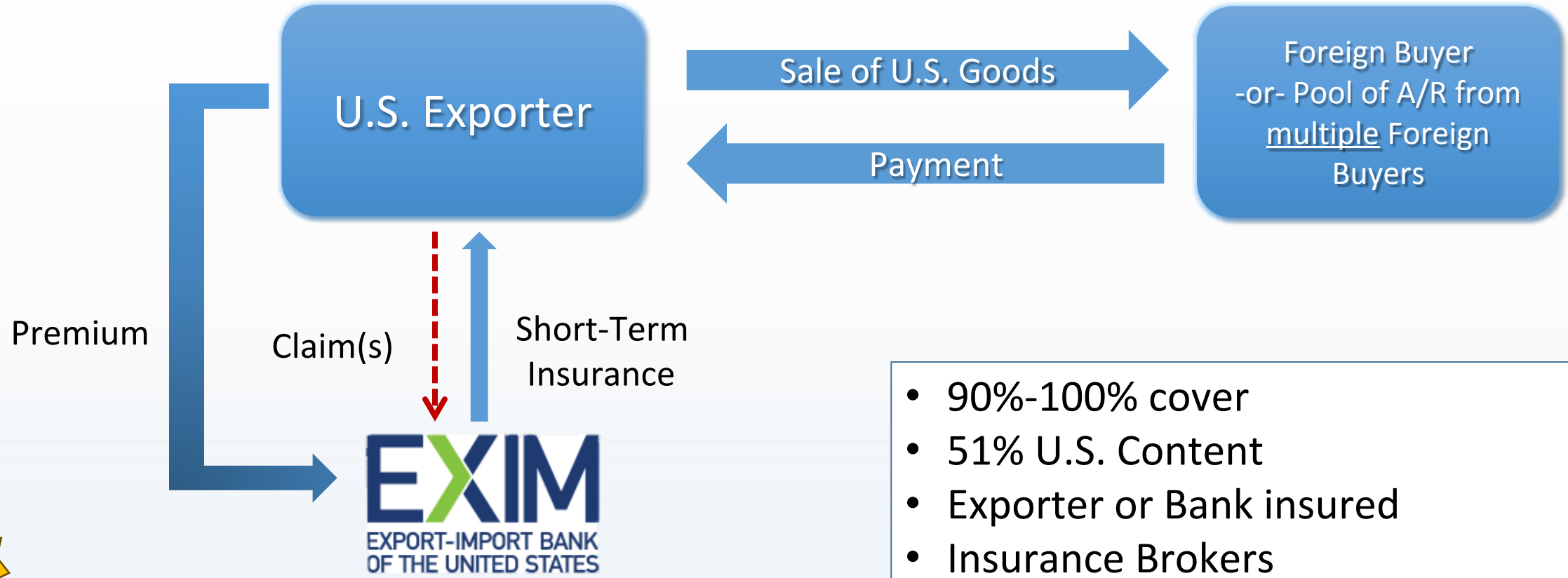
Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

The 5 c's of credit underpin every transaction

Character	The reputation of the borrower
Capacity	Analytic evidence of repayment ability
Capital	Measuring borrower's commitment to the business or project
Collateral	What specific assets may provide value for repayment or recovery
Conditions	What is the economic state, industry trends, geographic or political events; use of proceeds

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

EXIM can insure a U.S. exporter's short-term sale to clients directly or through a bank



- 90%-100% cover
- 51% U.S. Content
- Exporter or Bank insured
- Insurance Brokers
- Terms vary depending on product, payment terms, and obligor.

- EXIM can also insure a bank's credit to a buyer of US goods and services
- EXIM can also insure L/C's issued by international banks being confirmed/ advised by US Banks.

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Medium and Long-term loan guarantee structure – private bank funds the transaction, EXIM takes the risk



Loan Agreement / Promissory Note

Claim/Default

Financial Institution

Loan Agreement

- Up to 85% U.S. Content
- 40%+ Local Costs
- OECD Arrangement
- Master Guarantee Agreement Lenders
- i = SOFR + Spread
- Foreign Currency
- Tenors determined by the underlying transaction – can be up to 22 years

Foreign Buyer

Supply Contract

U.S. Exporter

- EXIM does have a Direct Loan Option
- Flexibilities on China Competition and Transformational Exports

Bu belge 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

EXIM has a strong history and is mandated to support U.S. exports

EXIM has:

... decades of experience supporting projects, companies, and governments globally.

... enhanced tools to support the green economy transition, Chinese Competition, Transformational Exports – including 22-year repayment terms.

… the will to match Chinese terms to level the playing field

… the balance sheet and risk appetite to support bankable projects in global markets.

EXIM

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

EXIM
EXPORT-IMPORT BANK
OF THE UNITED STATES

China and Transformational Exports Program (CTEP)

Purpose: 2019 Congressional mandate directing EXIM to support the extensions of loans, guarantees, and insurance at rates and on terms that are fully competitive, to the extent practicable, with those provided by China, in order to:

Directly neutralize competing subsidies provided by China through official export credit, tied aid or blended finance, or

Advance the comparative leadership of the U.S. with respect to China in strategic areas (see below)

AI • Biotech • Biomedical • Wireless Communications • Quantum Computing • Renewable Energy, Storage, & Energy Efficiency • Semiconductors • Fintech • Water Treatment & Sanitation • High Performance Computing

The law charges EXIM with a goal of reserving not less than $27 billion of its $135 billion total financing authority

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

CTEP (CONTINUED)

MANDATE'S PURPOSE

- Ensure the foreign buyer makes their decision on the quality of the good and/or service rather than on the financing that supports the deal
- Increase Exports in 10 transformational export areas
- Reserve no less than $27 billion lending capacity for CTEP

BENEFITS

- FLEXIBLE RATES, TERMS, & CONDITIONS
- COUNTRY LIMITATION SCHEDULE EXCEPTIONS
- TAILORED CONTENT POLICY

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

5G Financing

- Priority for EXIM and the USG
- Trusted Vendors, regardless of HQ location
- Financing Deals from the millions to billions of dollars



EXIM

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

EXIM
EXPORT-IMPORT BANK
OF THE UNITED STATES

CASE STUDY: 5G IN COSTA RICA

- In June 2023, EXIM approved a **preliminary commitment** to demonstrate EXIM's willingness to finance a $300 million credit to the Government of Costa Rica's Instituto Costarricense de Electricidad & Subsidiaries (ICE) for procuring equipment and supporting materials and services from trusted vendors to deploy a fifth generation (5G) network across Costa Rica.

- A preliminary commitment is a non-binding offer of EXIM financing, subject to the award of the export contract and EXIM's additional review of an application for a final commitment.

- CTEP supported the use of the December 2020 transformational export area content policy, as clarified by the Board in January 2023 for 5G transactions.

EXIM

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

EXIM
EXPORT-IMPORT BANK
OF THE UNITED STATES

CASE STUDY: SUN AFRICA

- In June 2023, EXIM approved a $907 million direct loan to the Ministry of Energy and Water of the Republic of Angola to support the construction of two photovoltaic (PV) solar energy power plants in Angola.

- The project will generate more than 500 MW of renewable power; provide access to clean energy resources across Angola; help Angola meet its climate commitments; and support exports of U.S. solar panel mounting systems, connectors, switches, sensors, and other equipment.

- A CTEP Determination qualified the transaction for a 95% financed amount and a 5% cash payment (vice the normal 85% financed amount and 15% cash payment).

EXIM

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

Thank You
For more information contact:

Benjamin Todd
Vice President, Global Business Development
Export-Import Bank of the United States
811 Vermont Ave. NW | Washington, DC 20571 | USA
Tel +1.202.565.3680 | Mobile +1.202.243.8727
benjamin.todd@exim.gov

Annie Do
Senior Program Advisor, China and Transformational Exports Program (CTEP)
Export-Import Bank of the United States
811 Vermont Ave. NW | Washington, DC 20571
Mobile: 202.815.6912 | Office: 202.565.3779
annie.do@exim.gov

Reducing Risk. Unleashing Opportunity.

EXIM
EXPORT-IMPORT BANK
OF THE UNITED STATES

1-800-565-3946 | exim.gov

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

NTIA's Public Wireless Supply Chain Innovation Fund

Digital Dialogue Webinar: US Government Financing for Telecom Infrastructure Development
July 17, 2024







Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

The Public Wireless Supply Chain Innovation Fund

What is the Innovation Fund?

The Innovation Fund is a **ten-year, $1.5 billion grant program, focused on advancing open wireless network technologies**. Funded through the CHIPS and Science Act of 2022, the Innovation Fund will make major wireless investments as part of the Biden-Harris Administration's "Investing in America" agenda.

Why Invest in Open Radio Access Networks (RAN)?

The 5G equipment market is static and dominated by a few providers. Open RAN can disrupt this market concentration with its interoperability, which will making it easier for new suppliers to enter the market. **By transitioning to Open RAN, the U.S. and partner countries can help the wireless ecosystem flourish for 5G and beyond.**

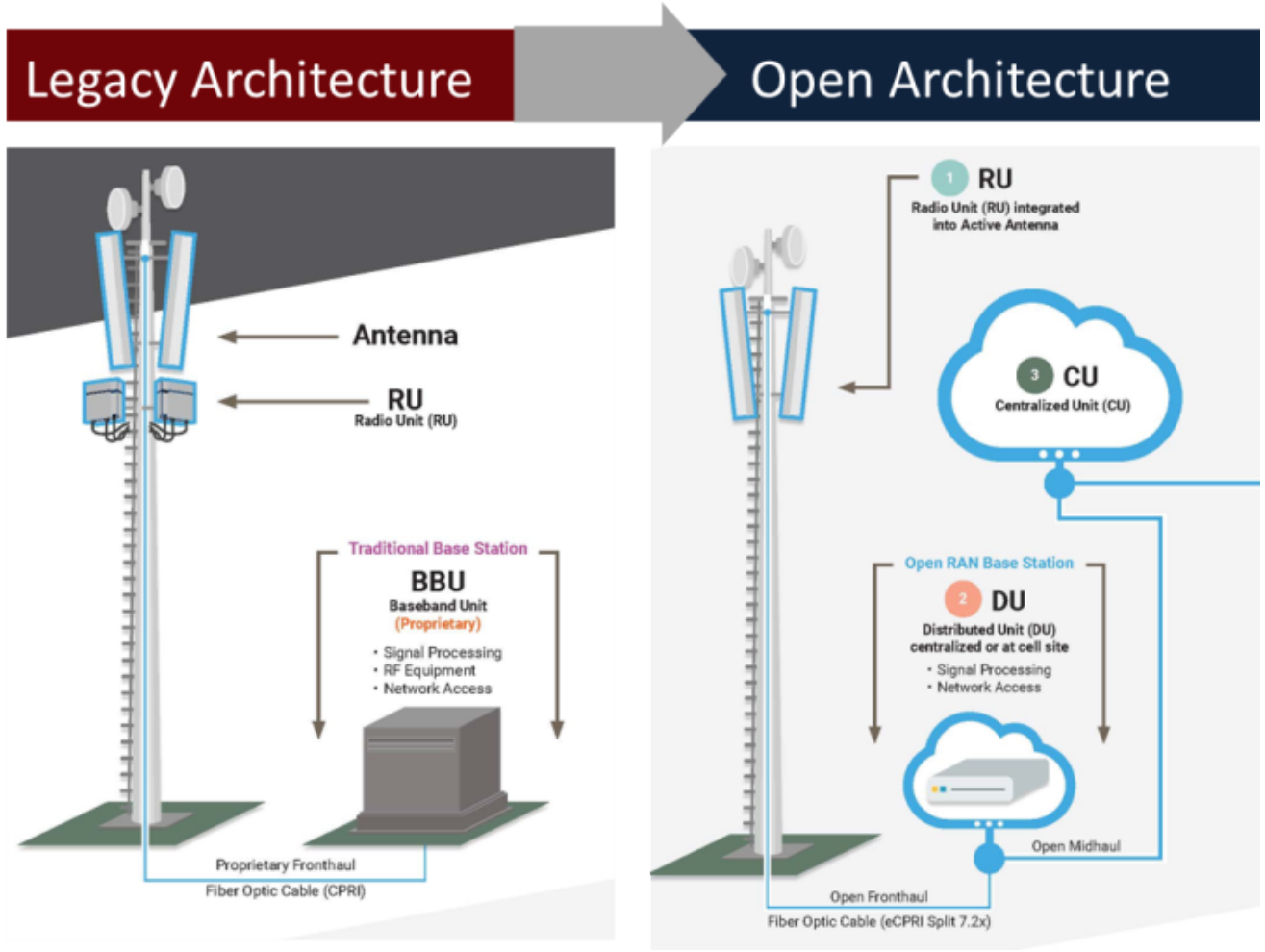
What will the Innovation Fund Accomplish?

- **Promote** 5G+ technologies that are secure, open, and virtualized.
- **Advance** the deployment of open and interoperable equipment.
- **Support** the integration of networks with multiple brands of equipment.
- **Identify** criteria to decide if equipment follows open standards.

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

Open RAN's Potential



Source: Open RAN Policy Coalition

A shift to Open RAN adoption:

- Enables innovation and competition
- Reduces costs for consumers and operators
- Bolsters security/supply chain resilience

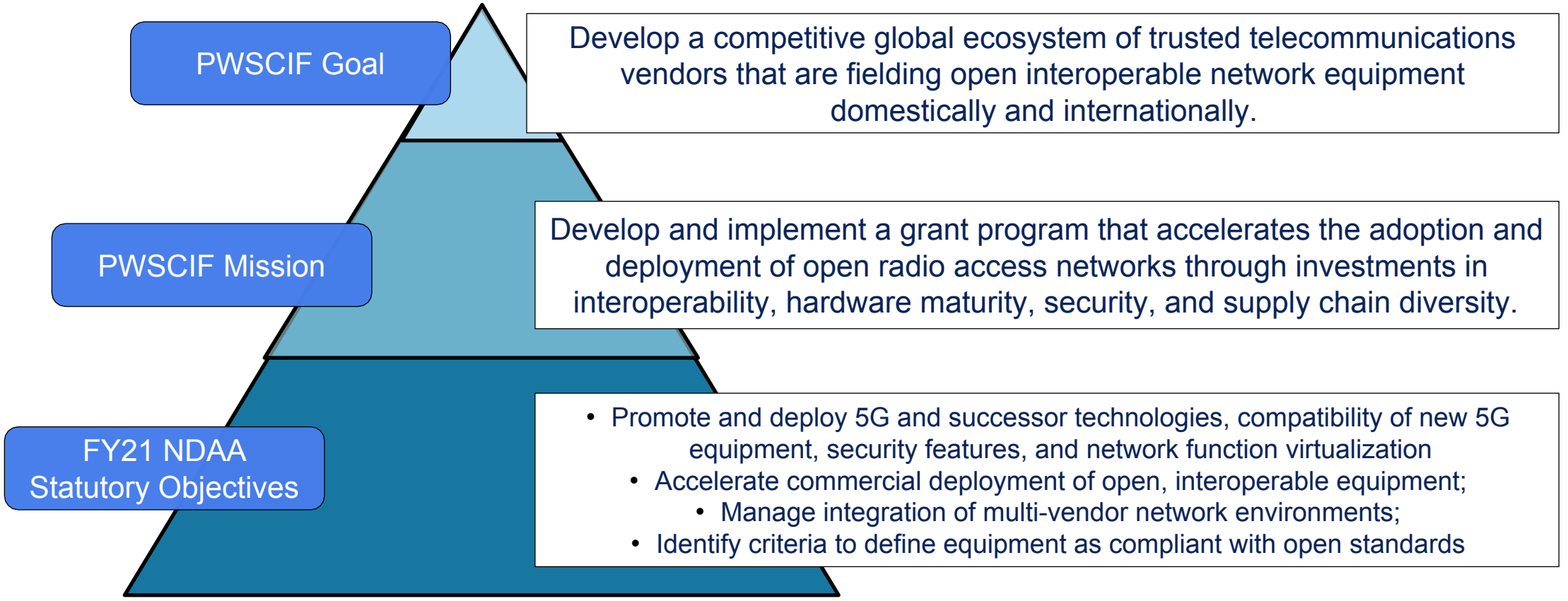
Open RAN is still relatively new and deployment at scale is challenging. Some of the challenges include:

- Immature standards and specifications
- Limited commercial adoption
- Limited vendor ecosystem/capacity

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

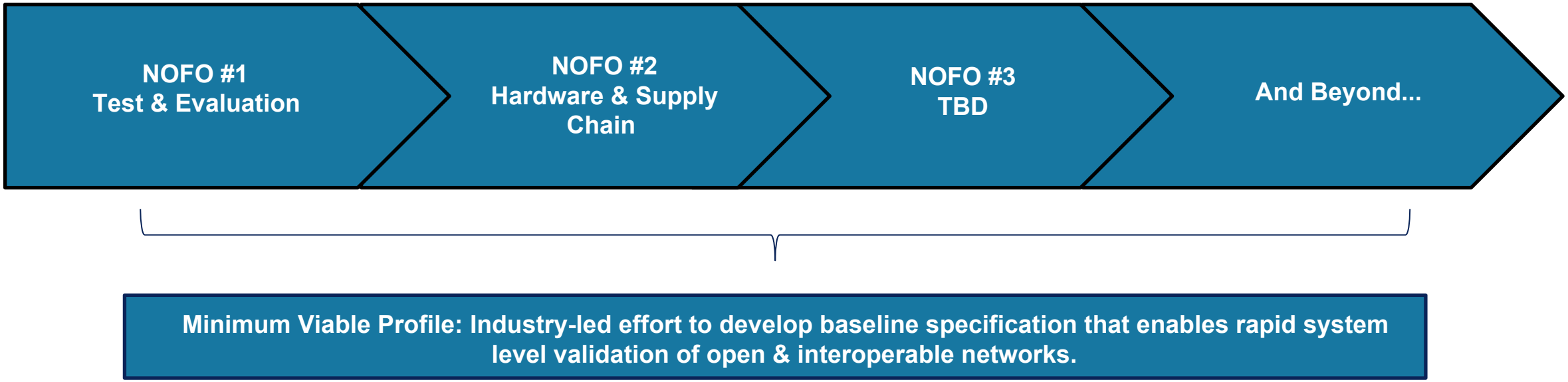
PWSCIF Program Vision and Goals



Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

Innovation Fund Approach



We released NOFO 2 on May 7, 2024 and applications are due today, July 17, 2024.

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

NOFO #1 Snapshot

Funding Areas	The Why
• **Testing & Evaluation Facilities:** Making industry-accepted testing assessment for open wireless equipment more accessible throughout the United States. Access to affordable T&E is important to make the market more inclusive to new players and competitive. • **Research & Development:** Promoting the development of new and/or improved testing methodologies, which will ensure that testing better prepares 5G open network technology for real-world deployments.	• 76% of respondents to the Fund's request for comment highlighted **interoperability testing as an investment priority.** • The costs and logistical challenges of testing create real barriers for emerging wireless players. By investing in new testing infrastructure and methods, **the Fund can reduce barriers and increase competition.**

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

NOFO #1 Overview



$140,443,216

INVESTED IN **17** GRANTEES

AT&T · Booz Allen · Cirrus360 · DEEPSIG · dish wireless · NTT docomo · FUJITSU

Jio · MAVENIR · MICHIGAN STATE UNIVERSITY · MISSISSIPPI STATE UNIVERSITY · Northeastern University · NYU · ONF Open Networking Foundation

PHASORLAB · RICE · verizon · VIAVI Solutions · VIRGINIA TECH · vmware

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

NOFO #1 Grantees

Testing & Evaluation

$50,000,000 DISH Wireless, Fujitsu, Mavenir, and VMware	**$21,714,112** VIAVI Solutions	**$42,299,693** AT&T, Verizon, NTT Docomo, and Reliance Jio

Automation

$1,989,783 Northeastern University	**$1,989,773** Northeastern University	**$1,731,182** Michigan State University	**$1,996,592** Northeastern University

Energy Efficiency

$1,964,462 Open Networking Foundation	**$1,943,101** Rice University

Security / Cybersecurity

$1,322,825 Mississippi State University	**$1,991,300** Booz Allen Hamilton	**$2,000,000** Virginia Tech

Improved Testing Methods - Radio

$2,000,000 New York University	**$1,492,269** DeepSig Inc

Improved Testing Methods – Equipment/Software

$1,999,984 PhasorLab

Improved Testing Methods – Network Functions

$2,000,000 Virginia Tech	**$1,999,140** Cirrus360

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

NOFO #2

Overview

- This 2nd Notice of Funding Opportunity (NOFO) invests in open **radio unit (RU)** commercialization and innovation**.** It is comprised of two *specific research focus areas* ("SRFA"):

SRFA 1 – Open RU Commercialization

- **Funding Range:** $25,000,000-$45,000,000.
- **Period of Performance:** 18-24 months.
- **Place of Performance:** RU development **must** be performed in the U.S. Testing for verification, validation, and demonstration may be performed outside of the U.S.
- **10% minimum cost share requirement.** Applications with 16% or more cost share will receive favorable weighting during Programmatic Review.
- **All applicants must** include a Letter of Partnership Intent with a Mobile Network Operator (MNO).
- **U.S. and international entities are eligible**, but either the applicant, an MNO partner, or both must hold Ultimate Beneficial Ownership (UBO) in the U.S., its territories, and possessions.

SRFA 2 – Open RU Innovation

- **Funding Range:** $5,000,000-$10,000,000.
- **Period of Performance:** 3-5 years.
- **Place of Performance:** All activities **must** occur in the U.S., its territories, and possessions.
- **No cost share** requirement.
- **No** partnership requirement.
- **U.S. and international** entities are eligible. Applicants may be based in the U.S. or abroad and are not required to hold UBO in the U.S., but place of performance requirements still apply.

Key Objectives

SRFA 1 – Open RU Commercialization: Accelerate the development of open RU products to the point where they meet carrier needs and are ready for commercial trials.

SRFA 2 – Open RU Innovation: Improve the overall performance and capabilities of open RUs through targeted research and development.

For more detailed information please visit: https://www.ntia.gov/program/innovation-fund/grant-programs/round-2-2024

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

Final Thoughts

- Innovation fund is leveraging investments to energize a global ecosystem of trusted telecommunications suppliers
- Industry involvement and investment is essential to the success of this Initiative
- Significant funding opportunities in the coming months and we encourage your participation
- Question or comments please reach out to **innovationfund@ntia.gov**

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

PWSCIF

QUESTIONS?

Richard Upchurch

Policy Director, Public Wireless Supply Chain Innovation Fund

NTIA

DEPARTMENT OF COMMERCE · UNITED STATES OF AMERICA

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

USTDA

U.S. TRADE AND DEVELOPMENT AGENCY

Gökçe Tuncer, Country Representative, Türkiye

Ankara, Türkiye

July 17, 2024

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

Mission

Sustainable infrastructure in emerging economies



USTDA
U.S. TRADE AND DEVELOPMENT AGENCY

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

USTDA' S Tools

Project Preparation

- Feasibility Studies
- Technical Assistance
- Pilot Projects
- Front-End Engineering and Design

Partnership Building

- Reverse Trade Missions
- Conferences
- Workshops

U.S. TRADE AND DEVELOPMENT AGENCY

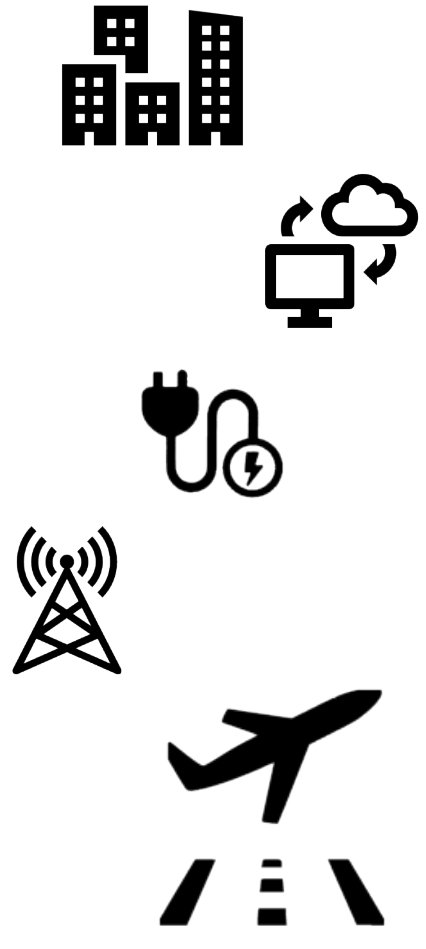
Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

Project development tools

ustda.gov/work

- USTDA provides **grant funding for project preparation and capacity building activities** that support infrastructure development and promote technical and commercial cooperation with partner countries.
- Overseas public or private sector entities and U.S. companies are invited to share project concepts for USTDA funding consideration.
- USTDA prioritizes projects with strong potential to catalyze the sale of U.S. technologies and services.
- USTDA grants are used to fund customized project development and technical assistance activities, including but not limited to:
  - **Feasibility studies**
  - **Master plans**
  - **Technical assistance**
  - **Pilot projects**
  - **Engineering and design**
  - **Training and capacity building**



USTDA
U.S. TRADE AND DEVELOPMENT AGENCY

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

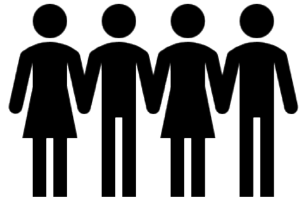
Partnership building tools

ustda.gov/events

- USTDA's partnership building tools **promote technical and commercial cooperation** with partner countries.
- These event-driven activities include:
  - **Reverse Trade Missions (RTMs)** bring public and private sector decision makers to the United States to learn about U.S. technology and services, industry best practices, and resources to support infrastructure development.
  - **Conferences & technical workshops**







USTDA
U.S. TRADE AND DEVELOPMENT AGENCY

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

Submit grant concepts to USTDA

Key criteria:

1. Positive development impact
2. Financial and economic viability
3. U.S. export potential

U.S. contractor selection options:

- Competed
- Sole-Source

Grant amount:

- No set limit
- Average $500,000 - $1,500,000

Project sponsors:

- Government
- State-owned enterprise
- Private sector

Proposals:

- Visit USTDA's website for more info: ustda.gov/work/propose-a-project
- Contact USTDA for initial discussion
- Submit concept note

USTDA
U.S. TRADE AND DEVELOPMENT AGENCY

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

Gelen Tarih Sayı: 24.07.2024 - 5075

Priority Sectors



- Clean Energy
- Digital Infrastructure
- Transportation
- Healthcare Infrastructure

USTDA
U.S. TRADE AND DEVELOPMENT AGENCY

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.

USTDA

U.S. TRADE AND DEVELOPMENT AGENCY

• gtuncer@ustda.gov

www.ustda.gov | +1 703-875-4357

1101 Wilson Blvd.
Suite 1100
Arlington, VA 22209

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması https://odaborsaebys.tobb.org.tr:443/tso-sanliurfa-envision/Validate_Doc.aspx?eD=BSLC84YTS&eS=5075 adresinden yapılabilir.