



# Telecommunications Information Databank: The IFT experience



INSTITUTO FEDERAL DE  
TELECOMUNICACIONES

November 2021



# Legal Framework

## Federal Telecommunications and Broadcasting Law (2013)

- Art. 212. Generate T&B indicators.
- Art. 292. Integration of a statistical databank of T&B.

## IFT Organization Act (2014) General Coordination of Strategic Planning (CGPE) Art. 73.

- Generate indicators, in coordination with the SCT and INEGI.
- Gather information from operators.
- Electronic mechanisms.
- Quarterly publications.

## Guidelines for the Integration of the Statistical Compendium (2020)

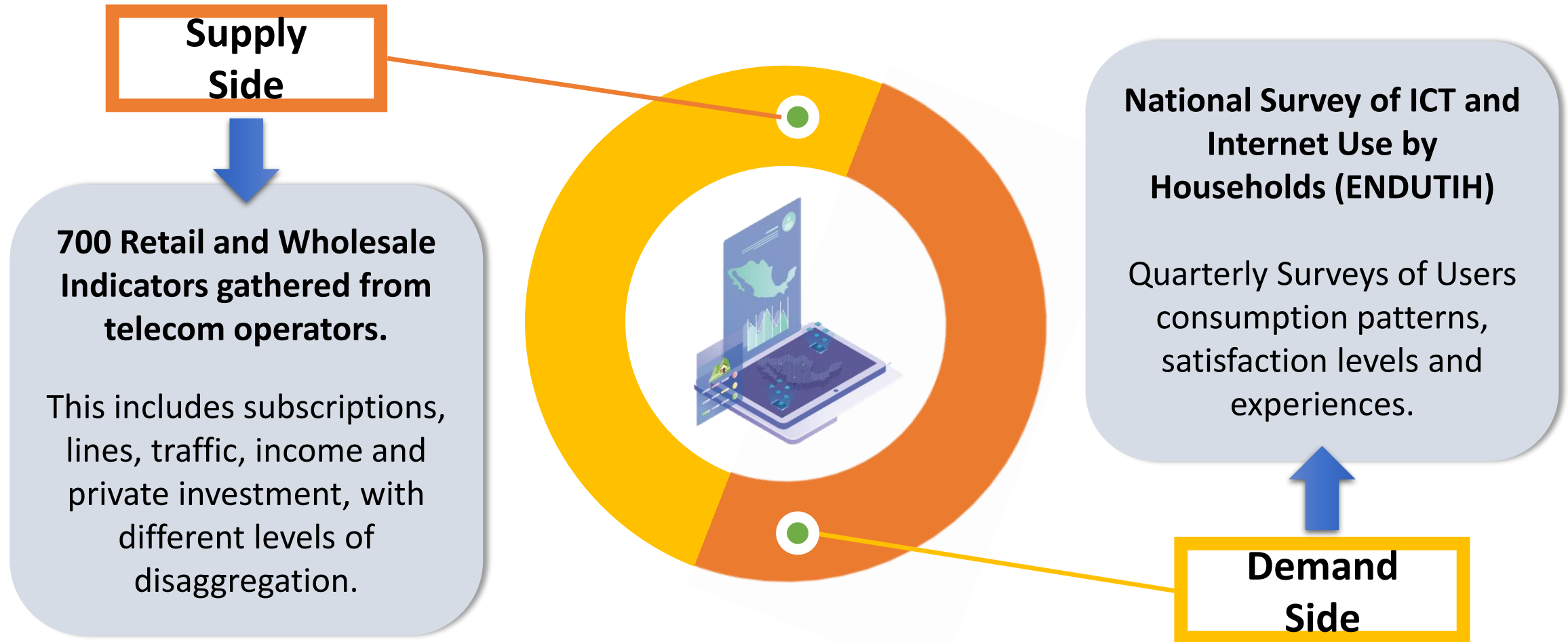
A detailed manual with definitions, periodicity, formats, catalogs and other characteristics of the information required to the operators **according to their commercial size.**

SCT. Ministry of Communications and Transportation, by its acronym in Spanish.

INEGI. National Institute of Statistics, Geography and Information, by its acronym in Spanish.



# Sources of information



# Telecommunications Information Databank



The BIT, by its acronym in Spanish, contains data on Pay TV, fixed and mobile Internet, and fixed and mobile telephony. It also has indicators of:

- Use and availability of ICT.
- Satisfaction of users of telecommunications services.
- Consumption of radio and television content.
- Spectrum assignment for mobile services.
- **700 T&B economic indicators.**
- Indicators with gender perspective.
- International comparison of countries.
- Public Broadcasting (Radio and TV) information.

<https://bit.ift.org.mx/>

Interactive Reports  
**120 open format tables for download**

# Telecommunications Information Databank

2014 - 2015

- Creation of CGPE.
- Establishment of definitions, formats and catalogs.
- First quarterly reports.

2016 - 2017

- Trial and error of definitions, formats and reports.
- First public consultation.
- **BIT 1.0 with 41 tables.**
- **BIT 2.0 with 56 tables.**

2018 - 2019

- Internal data audit.
- **BIT 3.0 with 100 tables.**
- Second public consultation.
- “Regularize your data” campaign.

2020 - 2021

- **Guidelines for the Integration of the Statistical Compendium.**
- External audit to identify areas of improvement.
- Workshops and meetings with operators.

# Products and Publications: Regulatory Analysis



## BIT 1.0, 2.0 y 3.0

<https://bit.ift.org.mx/BitWebApp/>



## Quarterly Statistical Reports

<http://www.ift.org.mx/pagina-de-inicio/informes-estadisticos-trimestrales>



## Statistical Yearbooks 2016 to 2020

<http://www.ift.org.mx/estadisticas/anuarios-estadisticos>



## Calculator of probabilities of ICT use and Internet activities in Mexico 1.0, 2.0 and 3.0

<http://calculadoraprob.ift.org.mx/>



## Regulated Market Indicators 2017-2020

<http://www.ift.org.mx/transparencia/indicadores-de-los-mercados-regulados>



## Other reports and studies:

- **Analysis of the results of ENDUTIH 2015**
- **Use of ICT and Internet activities in Mexico: Impact of user's sociodemographic characteristics (2017, 2018 and 2019).**
- **Evolution of ICT services 2015-2019.**
- **Impact of ICT on social development (2020 and 2021).**
- **MVNOs analysis.**
- **Telecommunications services Forecasts.**

<http://www.ift.org.mx/estadisticas/analisis-especiales-estadisticos-01>



# Main Considerations

- **Information to promote regulatory analysis and public policies.**
- Databank **main users**: T&B companies.
- **Proportionality**: information is requested depending on the operator's commercial size.
- The retail and wholesale services are **defined based on the user perspective**, which offers more accurate market comparisons.
- **IFT Investment in Data Capabilities**: 3% of total budget.
- The established Catalog allows the homogeneity of geographical, technical, and commercial disaggregations.

# Business Intelligence - Efficient Regulation

- These **products** and processes increase the opportunities offered by **Data Science**, allowing a more **dynamic regulation**, thanks to the use of algorithms and statistical methods.
- These new model of information allows **Big Data Analysis** through real-time access to the information by users and companies, which in turn creates a more transparent integration process, paving the way for **regulatory innovation**.
- In the *Handbook for the collection of administrative data on Telecommunications (2020)* the ITU recognized the **BIT “as a comprehensive and modular T&B databank based on business intelligence logic”**.



# What is Ahead

- On the way to establish a **100% electronic procedure** for the delivery of information.
- **With the industry:** enhancement of the Guidelines for the integration of the Statistical Compendium.
- **BIT 4.0** with a friendlier design (navigation and accessibility).
- Publication of aggregated information for **wholesale services**.
- Definition and publication of **Broadcasting indicators**.