



BUNDESAMT FÜR  
SEESCHIFFFAHRT  
UND  
HYDROGRAPHIE

# *Session VI: MARITIME COMMUNICATIONS*



Hans-Karl v. Arnim

ITU Regional Seminar - St. Petersburg, Russian Federation  
6 to 8 June 2018

- The world maritime Fleet
- Short introduction to the presentations of the session

# The world fleet

For 2016 had been reported:

Good transported

– **10.287 Mill. Tonnes** loaded  
over **80% of all goods**  
and more than **70% of all value** are  
transported by sea.

Ships in world fleet

- approx. **115.000**

Seafarers in the world fleet - **1.65 Mill.** seafarers have operational  
roles merchant fleets of the world.

Source: UNCTAD REVIEW OF MARITIME TRANSPORT 2017

# From Titanic to Satellite... from Morse to Digital Entry in new era for the maritime community

From Titanic to Satellite... from Morse to Digital  
Entry in new era for the maritime community

Christian Rissone, ANFR

# Communication for Maritime Safety and efficiency

## Communication for Maritime Safety and efficiency

Francis Zachariae  
Secretary-General, IALA

# The IMO E-Navigation concept

## The IMO E-Navigation concept

### The concept and examples of implementation

Philipp Lane

CIRM Technical Officer