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### MAKING SPACE ASAFER PLACE.

DYNAMICS





### TECHNOLOGY - INSURANCE - LAW THE PATTERN OF PROGRESS

### 1886

Karl Benz engineers the first automobile

### 1897

An automotive liability insurance policy is sold in Ohio

### 1925

Massachusetts passes the first mandatory auto insurance law in the US

### 1957

Sputnik I successfully launched

### 965

Lloyd's issues the first satellite insurance for Intelsat 1 pre-launch

### 1972

The Liability Convention is opened for signature

# SPACE TRAFFIC IS INCREASING AND SAFETY IS MORE CRUCIAL THAN EVER

"Hundred of thousand of collision avoidance maneuvers per month are expected by 2028"

**Hugh Lewis, University of Southampton** 

"We've seen a fairly dramatic increase in close approaches over the last five years. It's been a five-fold increase and encounter rates are going to continue to climb as more satellites are added to the mix and as more debris lives in the space population."

**Dan Oltrogge, Center for Space Standards and Innovation at COMSPOC** 





## WENEED TO ADAPT TO NEW MISSION CONCEPTS

### THE UK EXAMPLE: THE VARIABLE LIABILITY LIMIT APPROACH

Criterion 1 | Minimising risk through satellite and mission design
Criterion 2 | Minimising potential for debris during operations
Criterion 3 | Minimising risk post-operations
Criterion 4 | Use of third-party providers to reduce risk
(IOS, ADR, SSA/SST & STM)









Redefining Space Safety
with Quasi-Real-Time Tracking
and Comprehensive Monitoring

Uncooperative and unknown satellite detected in the dark

NEW ZEALAND

Jul 31 2023 11:10:00 UTC





