



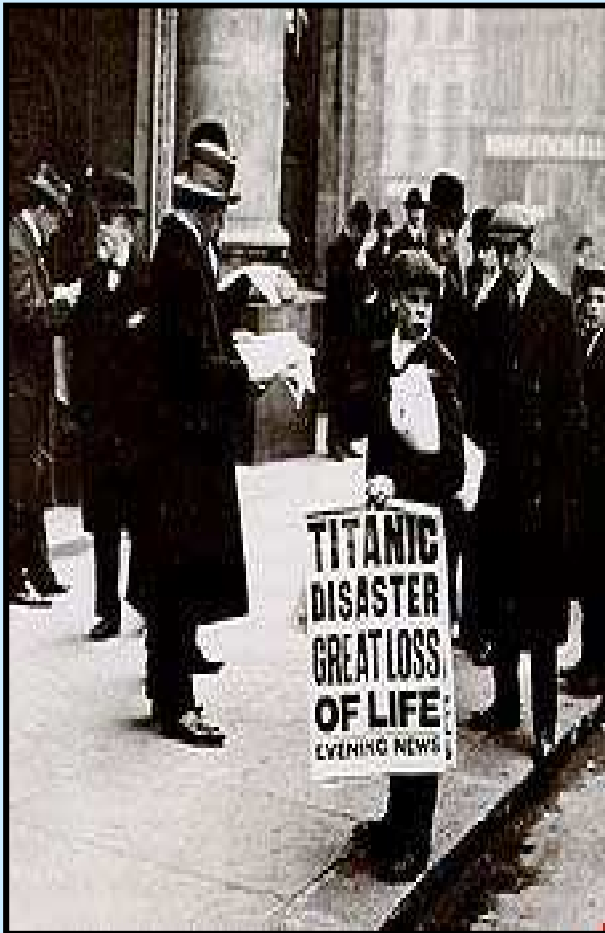
INTERTANKO

LIFEBOATS

Yesterday, Today & Vision for the Future

**Mr. Fredrik Larsson
Marine Manager
INTERTANKO**

SOLAS History



**1st SOLAS Adopted
in London 1914.**

**Followed by 1929,
1948, 1960, 1974
SOLAS Conventions.**

Amended 1983

**New chapter III –
1 July 1998.**

SOLAS CHAPTER III

- **LSA and Arrangements**
 - **Requirements**
 - **Maintenance**
 - **Inspections**
 - **Testing**
 - **Approval**
 - **Training**
 - **Operation**



Lifeboat History



- **18th Century**
 - **Open Lifeboat**
 - **Off-Load Hook**
 - **Wooden Hull**
 - **Iron Fittings**
 - **Sails/Oars**



- **19th Century**
 - **Covered Lifeboat**
 - **On-Load Hook**
 - **Glassfibre Hull**
 - **Stainless Fittings**
 - **Engine**

Our Contribution

- **Lifeboat Incident WG**
 - **WG under ISTEAC**

On our Work Program:

- **Accidents**
- **Maintenance**
- **Design**
- **Procedures**
- **Equipment**
- **IMO**
- **Inform**



Our Contribution

INTERTANKO, OCIMF & SIGTTO - Lifeboat Incident Survey 2000

Our Findings:

| | |
|--------------|--|
| ~ 50% | Equipment Failure |
| ~ 20% | Poor Maintenance |
| ~ 10% | Poor Design |
| ~ 10% | Failure to follow correct Procedure |
| ~ 10% | Other |

Regulations Today

- **IMO Resolution MSC.152(78)**
 - **Adopted amendments to SOLAS Chapter III:**
 - **Emergency Drills**
 - **Maintenance**
 - **Inspection**
 - **Immersion Suits**
 - **Entered in to force 1 July 2006**

Regulations Today

IMO Circulars

- **MSC.1/Circ.1205**
 - **Guidelines for developing operation and maintenance manuals for lifeboat systems**
- **MSC.1/Circ.1206 (MSC/Circ.1093)**
 - **MSC/Circ. 1049 – Accidents with lifeboats.**
 - **MSC/Circ. 1093 – Guidelines for periodic servicing and maintenance of lifeboats, launching appliances and on-load release gear.**
 - **MSC/Circ. 1136 – Guidance on safety during abandon ship drills using lifeboats.**
 - **MSC/Circ. 1137 – Guidelines for simulated launching of free-fall lifeboats.**
- **MSC.1/Circ.1207 (MSC/Circ.1115)**
 - **Early implementation of draft SOLAS Regulation III/19.3.3.4.**
- **STCW.6/Circ.10**
 - **Amendments to PART B of the seafarers training, certification and watchkeeping (STCW Code).**

MSC.1/Circ.1205

- **Lifeboat Manual/Instructions**
 - **User friendly**
 - **Unified standard**
 - **Glossary**
 - **Procedure**
 - **Operation**
 - **Understanding**
 - **General system layout**

MSC.1/Circ.1206

- **Measures to prevent Accidents with Lifeboats**
- **Supersedes MSC/Circ.1093**
- **Consolidated 4 Circulars into 1:**
 - **MSC/Circ.1049 – Specific procedures for maintenance and servicing.**
 - **MSC/Circ.1093 – Guidelines for periodic servicing and maintenance of lifeboats, launching appliances and on-load release gear.**
 - **MSC/Circ.1136 – Guidance on safety during abandon ship drills using lifeboats.**
 - **MSC/Circ.1137 – Guidelines for simulated launching of Free-Fall Lifeboats.**

MSC.1/Circ.1206

- **Weekly & Monthly Inspections**

Ships Crew !



- **Annual & 5 Year Inspections**

~~**Ships Crew !**~~

Manufacturer !



MSC.1/Circ.1206

- **Requirement ?**
 - **Not by SOLAS ! Yet !**
 - **But by certain flags !**
 - **Class according to flag !**

MSC.1/Circ.1207

.19.3.3.4 In the case of a lifeboat arranged for free-fall launching, at least once every three months during an abandon ship drill the crew shall board the lifeboat, properly secure themselves in their seats and commence the launch procedure up to but not including the actual release of the lifeboat (i.e., the release hook shall not be released).

The lifeboat shall then either be free-fall launched with only the required operating crew on board, or lowered into the water by means of the secondary means of launching without the operating crew on board, and then manoeuvred in the water by the operating crew.

At intervals of not more than six months, the lifeboat shall either be launched by free-fall with only the operating crew on board, or simulated launching shall be carried out in accordance with the guidelines developed by the Organization.*

MSC.1/Circ.1207

(Approved by MSC 81, but not yet adopted!)

– Drill every 3rd Month:

- **Crew to embark and then disembark**
- **Free-Fall launched by Operating Crew only, or ; Lowered by secondary mean**
- **To be Manoeuvred in the water**

– Drill every 6th Month:

- **Free-Fall Launched by Operating Crew only**
- **Or, By Simulated Launch**

STCW.6/Circ.10

AMENDMENTS TO STCW PART B

Companies should ensure that:

- **All seafarers on a ship fitted with free-fall lifeboats should receive familiarization training in boarding and launching procedures for such lifeboats.**
- **Prior to joining a ship, seafarers assigned as operating crew of free-fall lifeboats should have undergone appropriate training in boarding, launching and recovering of such lifeboats including participation on at least one occasion in a free-fall launch.**
- **STCW Parties and all others concerned are invited to note the above and take action as appropriate.**

STCW.6/Circ.10

- **Adopted into Part B of the STCW-Code by MSC 81 !**
- **Recommended by STCW.6/Circ.10!**

But now mandatory by certain:

- **Flag states**
- **Port states**
- **RO/Class? Various interpretations!**

Additional Circulars

- **MSC.1/Circ.1182**
 - **Guide to recovery techniques**

- **MSC.1/Circ.1185**
 - **Guide for Cold water Survival**

The Future ?

- **INTERTANKO POSITION**
 - **Encourage the development of Radical new Designs**
 - **Increase the Safety Level**
 - **Minimize Accidents**
 - **No more Fatalities**
 - **Regain crew confidence in drills**

The future!

100 Years Ago!



Today !



Tomorrow ?

