

Report of Accident Statistics for IMCA Members – Period: 1 January-31 December 1999

1 Introduction

Members may recall information note IMCA S&L 19/99, which reported the 1998 accident statistics. This information note reports the annual statistics for 1999, the fourth year for which we have produced such statistics.

2 Background

Although only one indicator of health, safety and environmental performance, accident statistics are nevertheless seen as providing a useful tool as to the performance of a company in this area. IMCA's Safety & Legislation Core Committee has agreed that it would be desirable for IMCA to develop standard, well defined leading and lagging indicators, which could be promoted to clients and adopted by members, and so get away from the high reliance on LTA as the judge of safety. We will keep you informed of this work as it develops. The 1999 IMCA collection exercise set out in this note is on the same basis as before.

3 Overall Statistics for 1 January - 31 December 1999

Number of lost time accidents	196
Lost time accident frequency rate (LTAFR)	3.72
Number of fatalities	4
Fatal accident frequency rate	7.6
Rate of LTAFR (second highest-second lowest)	13.67-1.17

The statistics over the last four years have been as follows:

	1996	1997	1998	1999
LTAFR	3.27	4.96	4.86	3.72
Million hours worked per year	44.7	47.6	52.9	52.8
No. of LTAs	146	236	257	196
No. of fatalities	0	3	2	4
Fatal accident rate	0	6.3	3.8	7.6

4 Comments

- ◆ Overall the lost time accident frequency rate continued to show a downward trend on previous years. The 1996 figure, although lower, was based on a pilot exercise using data supplied from six international contractors;
- ◆ 28 IMCA members participated in the 1999 exercise, which covered 52.8 million hours worked, which is similar to the number of hours worked used in the 1998 statistics;
- ◆ There were 196 lost time injuries reported, which resulted in at least one day off work. This equates to an average of just less than four such injuries in every week of the year;
- ◆ There were four fatalities reported in 1999. This figure, however, includes a hit and-run incident while the crew member was ashore, although he was signed onto the ship at the time.

5 Comparison with Published Figures

5.1 OGP - The International Association of Oil & Gas Producers (formerly E&P Forum)

Their database covers 1197 million hours worked in 1999. Overall the Lost Time Accident Frequency Rate (LTAFR) was 1.94 per million hours worked. This covers both E&P companies and their contractors working both in the upstream and downstream sectors. The LTAFR for the upstream activity was 2.71 with the company rate at 2.81 and the contractor rate at 2.69. Overall, the Fatal Accident Rate (FAR) was 7.01, with the FAR for the offshore sector at 9.45, contractor offshore FAR 9.95 and company FAR 7.68.

5.2 IAGC – The International Association of Geophysical Contractors

Their annual statistics cover their members' marine seismic (streamer operations) only. For 1999 the statistics cover 15.5 million man hours worked. Their LTAFR is 3.55 and FAR is 6.45. Their figures are similar to those reported in this IMCA report.

6 Definitions

In order to compile meaningful statistics, it is important that standard definitions are used. For the purposes of the IMCA statistics the following definitions apply:

Fatal Accident Rate	The number of fatalities per 100,000,000 (100 million) hours worked.
Hours Worked	The actual 'hours worked' for onshore operations; for offshore operations, the 'hours worked' are calculated on a 12-hour shift.
Lost Time Accident	Any work-related injury involving the absence from normal work on the day/shift following the incident. The number of LTAs is the sum of fatalities and lost workday case.
Lost Time Accident Frequency Rate (LTAFR)	The number of lost time accidents per 1,000,000 (one million) hours worked $= \frac{\text{lost time accidents} \times 1,000,000}{\text{hours worked}}$
No. of Fatalities	The total number of company employees and that of any others or including contracted who died as a result of an accident.

7 Individual Company Lost Time Accident Frequency Rate

Company Number	Individual LTAFR
1	3.01
2	5.69
3	4.82
4	9.79
5	10.94
6	4.08
7	5.89
8	2.23
9	2.16
10	0.00
11	0.00
12	11.44
13	0.00
14	4.64
15	13.67
16	1.47
17	0.00
18	2.33
19	0.00
20	23.42
21	7.34
22	0.00
23	4.02
24	1.17
25	5.07
26	8.43
27	5.42
28	2.32
Total	3.72