



Risk

Developing Guidance and Incident Reporting for Operations Using Dynamic Positioning

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The International Marine Contractors Association
(IMCA)

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The International Marine Contractors Association

**DEVELOPING GUIDANCE AND
INCIDENT REPORTING FOR
OPERATIONS USING DYNAMIC
POSITIONING**

Ian C. Giddings, Technical Adviser, IMCA

“Grey hair is a sign of age, not of wisdom”

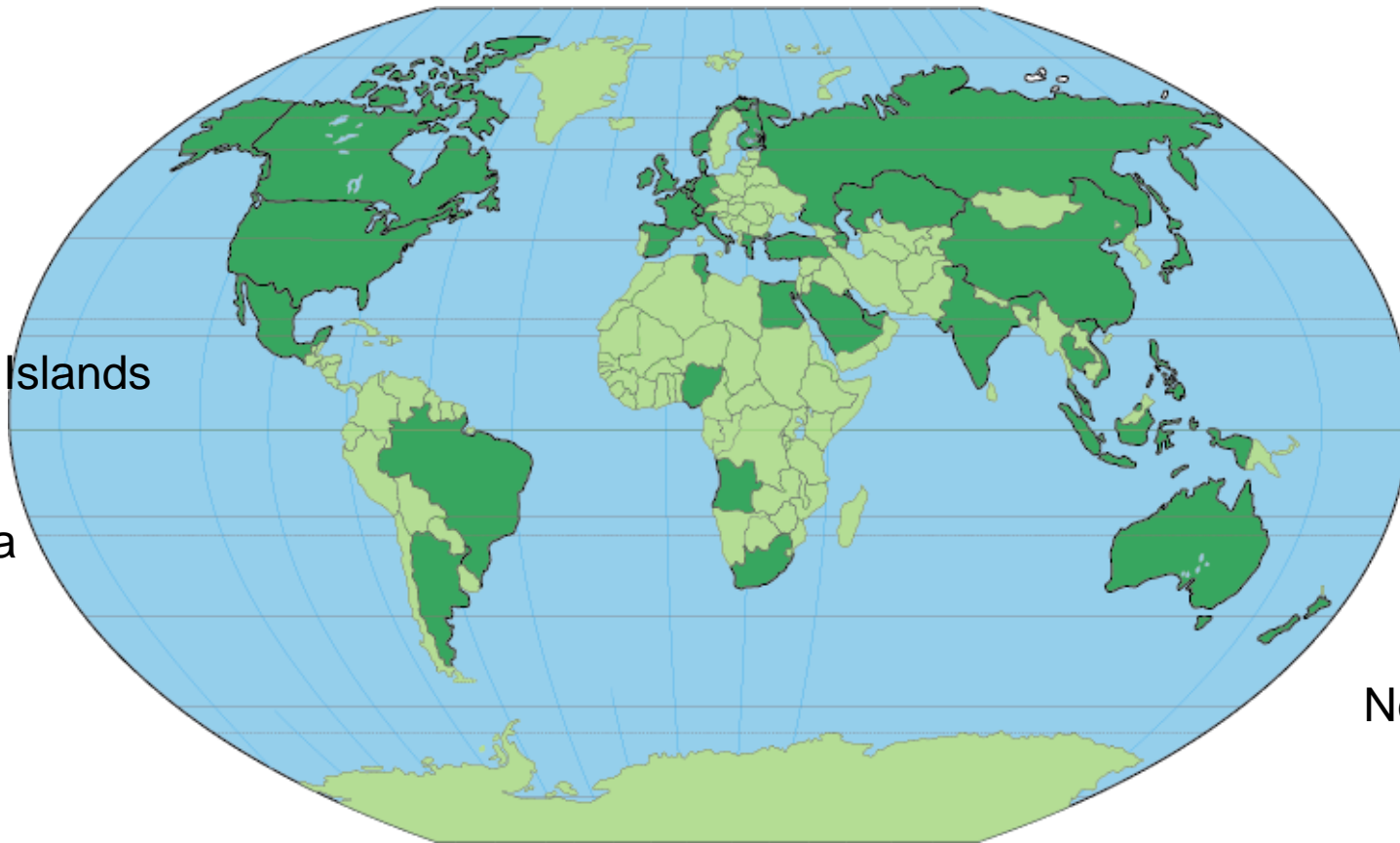
Anonymous

IMCA members are present in ...



Ireland, UK, Norway, Finland, Spain, France, Belgium
Netherlands, Germany, Denmark, Switzerland, Monaco, Italy,
Cyprus, Malta, Turkey, Tunisia, Nigeria, Angola, South Africa

Canada
USA
Mexico
Cayman Islands
Trinidad
Brazil
Argentina



Russia
China
Japan
Vietnam
Philippines
Malaysia
Singapore
Brunei
Indonesia
Thailand
Australia
New Zealand

Azerbaijan, Kazakhstan, Egypt, Saudi Arabia,
UAE, Bahrain, Kuwait, Qatar, India

IMCA International Contractors



Acergy

Allseas

Heerema Marine Contractors

Helix Energy Solutions

Group



J Ray McDermott

Saipem

Subsea 7

Technip

Objectives

- Be 'self-regulating'
- Improve HSEQ in contracting
- Achieve a balance of risk and cost
- Improve and spread IMCA guidelines
- Ease the free movement of equipment and personnel globally
- Sustain employment in our industry
- Promote equitable contract principles

Meeting objectives

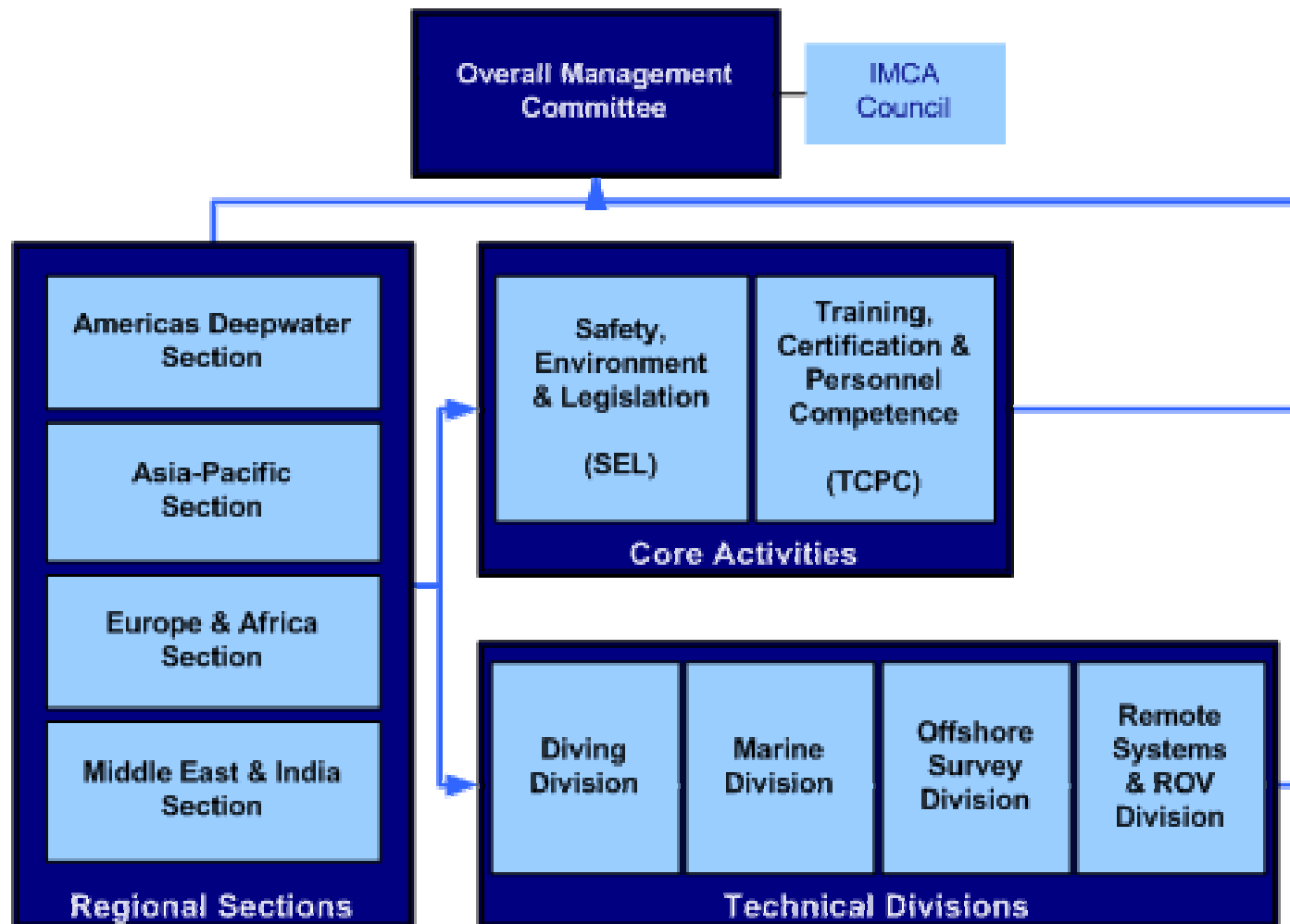


- Ensure endorsement of and continually improve IMCA guidelines
- Ensure endorsement of and continually develop IMCA competence schemes
- Publish global codes of practice, guidance notes, industry briefings, discussion papers and other media
- Promote the use of common and practical industry good practice
- Promote standard contracts to foster the ideals set by the industry and improve relations, increase efficiency and reduce overall cost

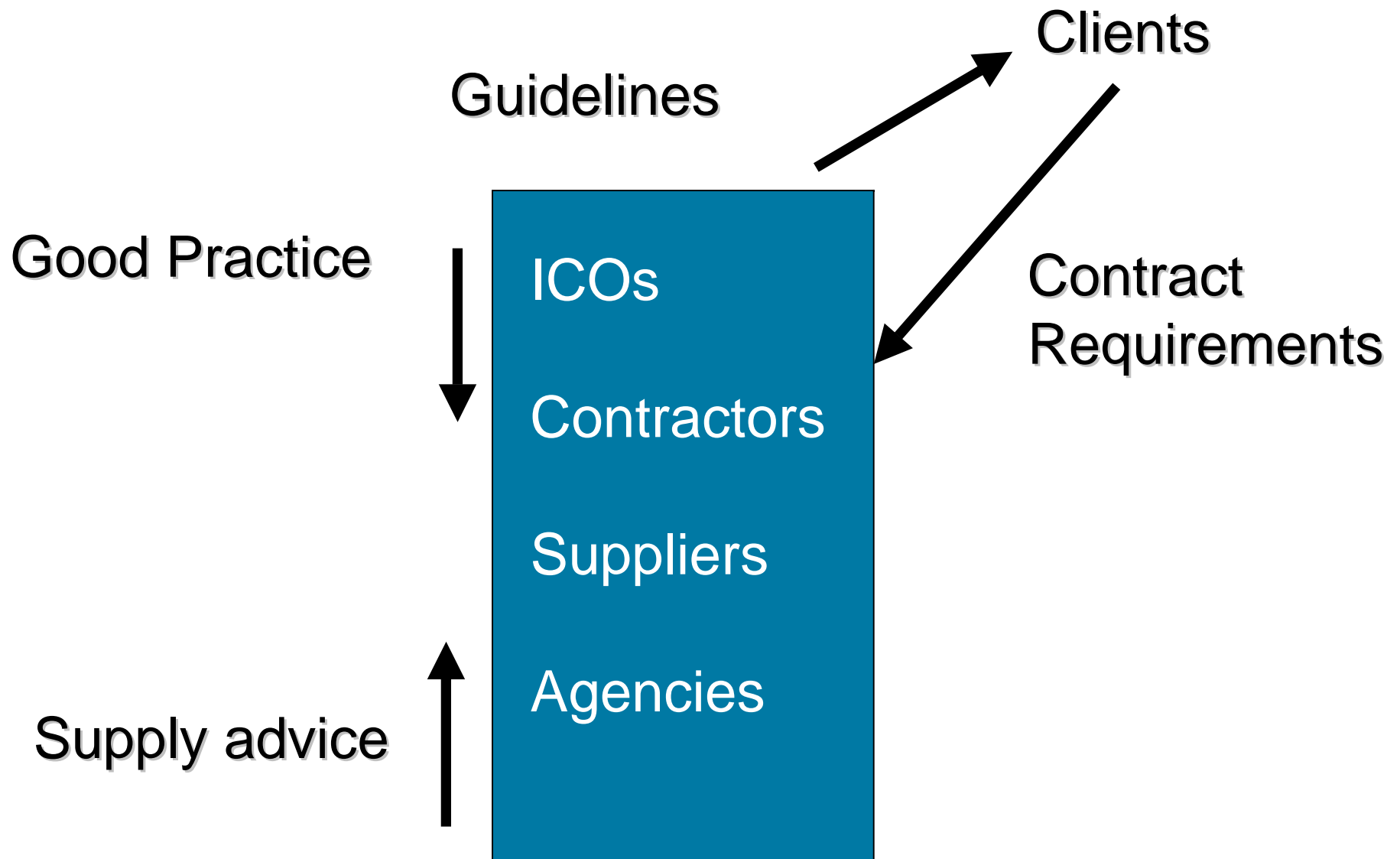
Meeting objectives



- Monitor legislation affecting the industry
- Provide a forum for discussion
- Hold meetings, workshops and seminars at various levels and at various locations
- Ensure the needs of members are adequately and properly addressed
- Encourage research and development of new technology
- Provide a single voice to speak on behalf of members where there is a common interest



IMCA Guidelines Become Requirements



Safe Operation of DP OSVs



**International Guidelines for
The Safe Operation of
Dynamically Positioned
Offshore Supply Vessels**



Safety Pocket Cards



Personal Security

Key Advice

- ◆ **Stay alert**
- ◆ **Look after your passport** - it is your most valuable possession when travelling internationally. Keep it and any air tickets in a safe place and keep a photocopy and spare photographs with you
- ◆ **Avoid drawing attention to yourself**
- ◆ **Remember - possessions are replaceable, you are not!**

Before you travel

Ensure you are properly informed about the area you are visiting, including:

- ◆ social and political climate
- ◆ organised crime and corruption
- ◆ possibility of terrorism
- ◆ religious or ethnic extremism or unrest
- ◆ areas to avoid

At the airport

- ◆ Always watch your bags (and computer), especially when going through security screening
- ◆ Keep anything of value in a carrycase that stays with you
- ◆ Never carry packages through customs for other people
- ◆ Never joke about weapons or explosives
- ◆ Never raise your voice to officials or patronise them or their country
- ◆ Pack your own luggage and never leave it unattended



No. 13 in a series of pocket safety cards issued by
The International Marine Contractors Association

Issue 1 - June 2006

Personal Security

Street and hotel security

- ◆ Respect local customs, courtesies and dress codes
- ◆ Avoid broadcasting personal information, such as your name, room number, hotel or destination when at reception or when booking a taxi
- ◆ Maintain a low profile by dressing conservatively and not wearing expensive looking jewellery or watches
- ◆ Blend in with the local environment and avoid drawing attention to yourself
- ◆ Watch out for staged mishaps. These can take many forms
- ◆ Book hotel rooms between the second and seventh floors. This limits easy access to the room from the ground yet is low enough to be reached by fire equipment
- ◆ Keep hotel doors and windows locked. Use a rubber wedge to secure your door

Ensure you get home

- ◆ Do your family and company know where you are and how long you intend to be there?
- ◆ Trust your instincts. Leave areas where you feel ill at ease
- ◆ Avoid shortcuts and stay in well-lit areas
- ◆ Remain in groups
- ◆ Avoid going out alone and on foot during hours of darkness

For more information on IMCA's safety-related initiatives,
please visit our website at www.imca-int.com



Safety Posters



Manual Handling

WATCH YOUR BACK

Manual handling is a major cause of injury

Back pain is suffered by one in five of those with work-related ill health - bad for people, bad for business



Minimise or reduce risk:

- ◆ Stop and think
- ◆ Take account of sea conditions when carrying loads
- ◆ Use risk assessments
- ◆ Can the job be avoided or done differently?
- ◆ Use handling aids
- ◆ Get help

Avoid back pain - don't strain:

- ◆ Don't risk injuring yourself
- ◆ Protect your back
- ◆ Use correct posture when pulling and lifting
- ◆ Do not lift more than you can handle
- ◆ Don't twist when carrying heavy loads



Preventing

SLIPS, TRIPS & FALLS

Top Tips



Ensure lighting levels are adequate

Keep the workplace neat and tidy

Do not carry more than you can handle



Take care when descending stairs, especially when carrying a load

Tape down or reroute temporary cabling

Take account of sea conditions when carrying loads



Remove or clearly identify protrusions or raised areas on decks

Wipe up spills when they occur



Information Notes



- M 14/07 Consideration of Chart Source Data in Passage Planning and Execution
- M 15/07 Anchor Handling – Guidelines arising from Loss of Bourbon Dolphin
- M 16/07 USA Passport and Personnel Identification Western Hemisphere Travel Initiative (WHTI) - Update
- M 17/07 Rolls Royce Marine Anchor Handling/Towing Winches
- M 18/07 General Thruster Specification and Bid Information Questionnaire – Proposed withdrawal of guidance note IMCA M 137 Rev. 1

“Experience is the name everyone gives to their mistakes”

Oscar Wilde

Lady Windermere's Fan

Incidents and Accidents



Avoiding repeating an incident or accident saves lives, time and money.

Incidents and Accidents



IMCA collects, analyses and publishes data for three separate but connected initiatives:

- Safety flashes
- DP incident reporting
- Lifting incident reporting

Justification for incident reporting



- Incident reports help to find out why accidents don't happen
- Higher frequency of incidents permits quantitative analysis
- Provide a reminder of the hazards

A Handbook of Incident and Accident Reporting – C. W. Johnson

Justification for incident reporting



- Feedback keeps personnel in the loop
- Data and lessons learnt can be shared
- Incident reporting schemes are cheaper than accidents
- May be required to do so

A Handbook of Incident and Accident Reporting – C. W. Johnson

Benefits of incident reporting



- A response as soon as the data is released to help close out the incident
- Analysis highlighting any new areas of concern
- A dialogue with DP Control system suppliers to check they are aware of a new problem and had a fix in hand

IMCA M 181 Analysis of Station Keeping Incident Data 1994-2003

DP Incident Reports



- **DP incident**

Loss of automatic control, loss of position or any incident which has resulted in or should have resulted in a red alert

- **DP undesired event**

Loss of position or other event which is unexpected /uncontrolled and has resulted in or should have resulted in a yellow alert

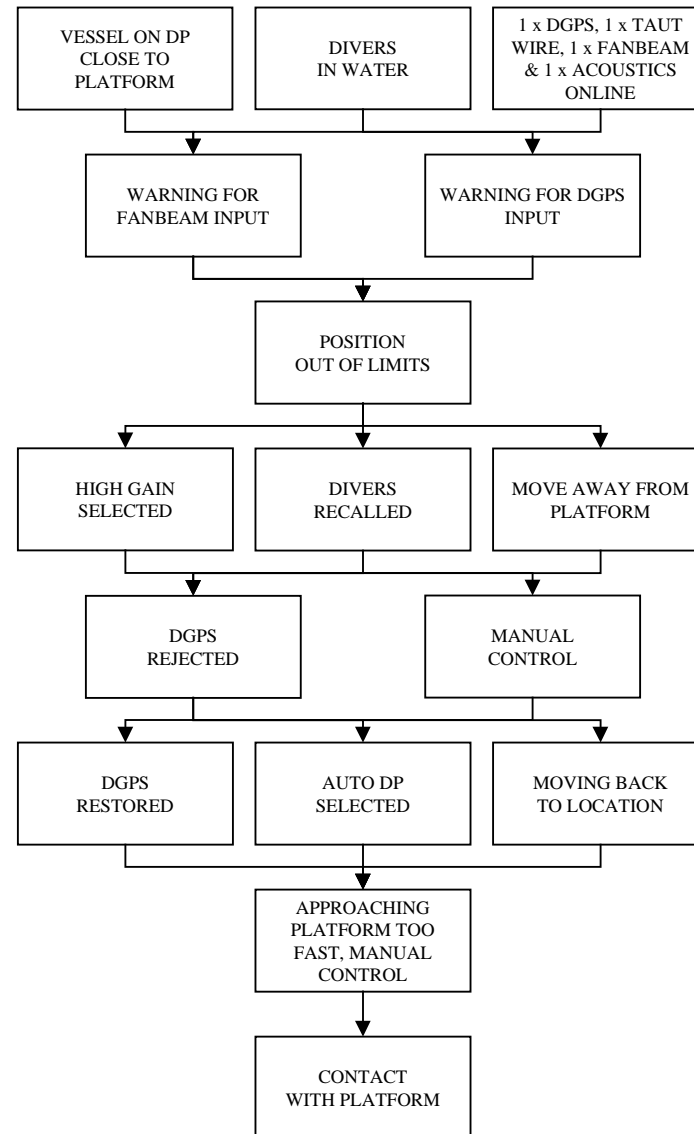
DP Incident Reports



- **DP downtime**

Position keeping instability, loss of redundancy which would not warrant either a red or yellow alert, however loss of confidence has resulted in a stand down from operational status for investigation, rectifications, trials, etc.

Incident tree



- Losses
- Probable cause
- Root cause
- Contributory factors
- Corrective actions
- Actions to taken to prevent recurrence

IMCA Seminar



The poster for the IMCA Annual Seminar 2007 is titled "New Frontiers in Marine Contracting". It features a large image of the Eiffel Tower on the left side. The text on the poster includes the IMCA logo at the top left, the full name of the event "The International Marine Contractors Association Annual Seminar 2007" at the top right, and the dates "6-7 November 2007" and location "Paris Rive Gauche Hotel & Conference Centre, France". Below the title, there are four small images: a red and white offshore vessel, a large offshore platform, a yellow crane, and a green offshore structure. At the bottom right, there are logos for "OGP" and "International Association of Offshore & Marine Contractors". A blue banner at the bottom contains the website address "www.imca-int.com/events".

IMCA

The International Marine Contractors Association Annual Seminar 2007

New Frontiers in Marine Contracting

6-7 November 2007
Paris Rive Gauche Hotel & Conference Centre, France

OGP
International Association
of Offshore & Marine
Contractors

www.imca-int.com/events

Conclusion



Thank you

www.imca-int.com