

**1.0 PURPOSE**

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- 1.1 To be able to uniquely identify **offshore** seismic surveys.
- 1.2 To provide a basis for subsequent searches.
- 1.3 To allow companies to cross-reference the CDA surveys with in-house company names.
- 1.4 To specify how the data is to be mapped onto UKOOA P1/90  
(Please also read 6.0 Background Note on page 5).

**2.0 SEISMIC SURVEY NAME**

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The name of the seismic survey will be defined by a 10 character code where the format of the 10 characters is defined as:

**CCYYSSSSSS**

CC	is a 2 character alphanumeric code for a company or contractor - See Note A (the full list of codes to be used is at <a href="#">Appendix A</a> ).
YY	is a 2 numeric year designator
SSSSSS	is a 6 character alphanumeric survey designator with leading blanks padded with zeros - See Note B.

e.g. AB97K21125      Company AB    Year 1997 Contractor K    Quad 211 Block 25

The CS9 Seismic Survey name is an essential attribute for the storage and retrieval of the survey data. Where any data, either new or legacy, is submitted to DEAL or to the CDA DataStore without a CS9 Survey Name the Service Provider will add an appropriate CS9 name whilst retaining the Data Owner's original name. One name will be an alias to the other.

**3.0 CDA APPLICATION OF CS9 SURVEY NAME**

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- 3.1 When a seismic survey is submitted to CDA without a CS9 name CDA will create the survey name in the following manner;

CC	is a 2 character alphanumeric code for a company or contractor - See Note A (the full list of codes to be used is at <a href="#">Appendix A</a> ).
YY	is a 2 numeric year designator
SS	is a 2 character code defining the type of survey – e.g. 2D, 3D
SSSS	is a 4 character numeric survey designator with leading blanks padded with zeros

- 3.2 The 2 character code defining the type of survey will be applied as follows:

2D	Used for 2D navigation data
3D	Generic name for all datasets held for a 3D acquisition survey – implies that there are more than one data type loaded to the CDA DataStore for the survey
3F	Used for the outline polygon
3B	Used for the bin grid (UKOOA P6/98 format)
3S	Used for the 3D sail line data (UKOOA P1/90 format)

e.g. AB963D0001      generic name for the acquisition survey

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## CDA STANDARD CS-9 SEISMIC SURVEYS



- AB963F0001 outline polygon of the extent of the acquisition survey
- AB963B0001 bin grid (P6/98) for the processed data from the acquisition survey
- AB963S0001 sail line data (P1/90) providing the shot and receiver group records for the acquisition survey.

- 3.3 Where there are other datasets associated with the survey, such as the processed data sets, then the two character codes will be used to define to these different products derived from the initial acquisition data.
- 3.4 When searching in Petrobank under Survey Name AB963D% the result will show as multiple rows with each product in the Navigation set name column.
- e.g. Survey Name      Navigation Set Name
- AB973D0001      AB973F0001
  - AB973D0001      AB973B0001
  - AB973D0001      AB973S0001
- 3.5 When searching in Petrobank under Survey Name AB963F% the result will show only one survey:
- e.g. Survey Name      Navigation Set Name
- AB973F0001      AB973F0001
- 3.6 The 4 character number will be a sequence number as each survey from the same company in the same year for the same survey type is loaded.
- e.g. AB972D0001      first 2D survey from company AB in year 1997
- AB972D0002      second 2D survey from company AB in year 1997
  - AB973D0001      first 3D survey from company AB in year 1997
- 3.7 When the DTI 2D seismic navigation database was loaded to the CDA DataStore the survey lines were grouped into surveys and given a CS9 survey name. To distinguish these from the surveys submitted by the Operating company the DTI surveys have 1000 series numbers.
- e.g. AB892D1001      first 2D survey from DTI database for company AB in year 1989
- 3.8 If the same survey is submitted by the operator for loading it will have a 0000 series number
- e.g. AB892D0001      first 2D survey from company AB in year 1989
- N.B. There is no guarantee that the Operator supplied survey will contain the same set of lines as the DTI survey, nor that the survey name numbering will be similar. For example AB872D1001 from the DTI database may have 8 lines and be similar to AB872D0003 from an Operator supplied survey which has 7 lines.
- 3.9 Where a Data Owner supplies a survey directly to DEAL without submitting it to the CDA DataStore this will be available in the Vendor layer. Where there is no CS9 name associated with the survey it will be given a CS9 name carrying a 2000 series number.
- e.g. CD952D2001      first 2D survey in 1995 submitted to DEAL by company CD.

### 4.0 SEISMIC LINES

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- 4.1 The CS9 seismic line name will be 16 characters to conform to the UKOOA P1/90 format.



4.2 A key part of this standard is that the field is to be fixed length, each component must be present and must be of the requisite length.

The composition of these 16 characters will be as below

CCYYSSSSSSLLLLLV

CC	is a 2 character alphanumeric code for a company or contractor - See Note A (the full list of codes to be used is at <a href="#">Appendix A</a> ).
YY	is a 2 numeric year designator
SSSSSS	is a 6 character alphanumeric survey designator with leading blanks padded with zeros - See Note B.
LLLLL	is a 5 character line number and must include leading zeroes - See Note C
V	is 1 character that has one of the following default values - See Note D
A	is first pass
B	is second pass
C	is third pass
D	is fourth pass
I	is first infill
J	is second infill
U	is first undershoot
V	is second undershoot
W	is third undershoot
	3 or 5 or 7 are used for interpolation
	A company can use any other value than in the default set but must specify how it is being used.
<p><b>Two examples of how this could be used are for:</b>          Re-shoots - companies could designate their own suffix          Multiple parts with overlapping sections - use a suffix to distinguish          Different cubes - use suffix to distinguish.</p>	

4.3 Data Owners are encouraged point forward to adopt the CS9 standard as the means of naming both their surveys and associated lines. However for legacy data and where the data owner uses a proprietary line name then this will not be changed in the CDA DataStore or in DEAL.

4.4 It should be noted that, whereas the CS9 survey line name is suitable for conventional 2D and 3D surveys it does not allow adequate character definition to describe OBS survey line data. The data exchange format standard for this data is SPS.

## 5.0 NOTES

**A Company / Contractor codes**  
 CDA has based the company / contractor codes on the set promulgated by UKOOA after these were rationalised down to two letters. The list is included at [Appendix A](#).  
 Responsibility for maintaining these codes, allocating new ones etc. will be assumed by the DTI after the standard has been adopted by CDA.  
 The contact at DTI is Phil Harrison 0171 215 5244.  
 Only lines and surveys with correct company codes will be accepted by CDA.

**B Seismic survey designator**  
 Each oil company can use this component in whatever way is most suitable for the specific survey; using for example quadrant/block, asset name or tranche number.e.g.  
 000913 = Quad Block 9/13  
 0000T6 = Area Tranche 6



There are companies, e.g. Phillips, who include access entitlement information in this field. Companies are free to use whatever they wish with only one restriction, that of the field being fixed length.

**C Line number**

5 characters have been allocated for line number to allow for 3D shoots where the first line number is very often greater than 0, e.g. where companies are shooting a combined survey and they agree line numbers amongst themselves. In this instance the first line number may be 7000.

**D Character code**

The default set of values for this code have been chosen from values that exist within the UKOOA P1/90 specification.

**Mapping to UKOOA formats**

The mapping onto UKOOA P1/90 has taken account of various ways that different companies will handle the data. This has resulted in a small duplication but has allowed a mapping to be developed that is acceptable to all. Line number has been separated into components as below.

CCYYSSSSSSLLLLLV	CDA line name
CCYY	Index number
CCYYSSSSSS	Survey name
SSSSSSLLLLLV	Long line number
LLLLLV	Short line number

These components MUST BE mapped onto UKOOA P2/94 (or P2/91), P1/90 and Binning Grid Exchange Formats as follows: FORMAT = P2/94 or P2/91

**Card Position Notes**

CDA line name	H0000 29-44 and E1000 07-22
Index number	H0001 38-41 06-18 are pre-assigned "Project Name"
Survey name	H0001 38-47 06-18 are pre-assigned "Project Name"

FORMAT = P1/90

**Card Position Notes**

Survey name	H0203 33-42
Long line number	Type 1 02-13
Short line number	Type 1 08-13

FORMAT = UKOOA Binning Exchange Format

**Card Position Notes**

Survey name	H0100 33-42
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**6.0 BACKGROUND NOTE**

- 6.1 There is no intention to force companies in CDA to use this standard internally only that there should be a common method of reporting these items to the central database (DEAL). CDA recognise that for some time most companies will have to continue to use their own "old" naming standards and will maintain look-up tables. Furthermore it is recognised that to attempt to rename legacy data would be extremely costly compared with any benefits and this will not be done.
- 6.2 The standard has been developed by a small group of companies chaired by the DTI. The companies represented covered large and small companies to ensure an even approach. Whilst the result is necessarily a compromise it does represent the consensus of views. Most companies have their own internal standards but all accepted the need for change for the common good.
- 6.3 The notes in section 5 explain the standard in more detail, provide a short explanation of reasons for the choice and specify the mappings onto UKOOA P1/90.

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## Appendix A - Company / Contractor codes

AA	Apache
AB	Ambrit Resources Ltd
AC	Arco/Conoco
AE	Aran Energy Exploration Ltd
AG	Agip
AH	Amerada
AI	Amoseas Indonesia Inc
AL	Altana Exploration (UK) Ltd
AM	Amoco
AN	Antrim Resources (NI) Ltd
AO	ATP Oil & Gas
AP	Apco
AQ	Aquitaine
AR	Arco/Arpet
AS	Ashland
AT	Atlantic Richfield
AV	Anvil Exploration Ltd
AX	Amax

BA	Basin
BB	Brabant Petroleum Ltd
BC	Ball & Collins
BD	Belico Drilling
BE	Berkely
BF	Blackfriars Oil and Gas Ltd
BG	British Gas
BH	BHP
BI	B.I.R.P.S
BK	Berkley Petroleums
BL	Bula
BN	BNOC
BO	Britoil Lrd
BP	BP
BQ	British Borneo Oil and Gas Ltd
BR	Baroid
BS	British Sun Oil / North Sea Oil
BT	Bearcat Exploration (UK) Ltd
BU	Burmah
BV	Bow Valley
BX	Bralorne Oil and Gas Ltd
BY	British Geological Survey
BZ	Burillis

CA	Canada NW
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CB	Cambrian Exploration Ltd
CC	Carless
CD	Candecca
CE	Celtic Basin Oil
CF	Cluff Resources PLC
CG	CGG
CH	Chieftain
CI	Cities Service (U.K.) Ltd
CJ	Croft Exploration Ltd
CK	Charterhall Oil Ltd
CL	Clinton
CM	Continuum Resources Ltd
CN	Conoco
CO	Count Geophysics
CP	Canadian Pacific
CQ	Cairn Energy Plc
CR	Challenger
CS	ConocoPhillips
CT	Charterhouse
CU	CalEnergy
CV	Chevron
CX	CSX Oil and Gas (UK) Corporation
CY	Clyde
CZ	ChevronTexaco

DC	Digital Corporation
DE	Decca
DG	Digicon
DK	Deutsches Nordsee Konsortium
DN	Dansk
DO	Dresser Olympic
DS	Dorset Exploration Company
DT	Digitech
DW	Deepwood Mining Company Ltd
DX	Deminex
DY	Dyas Oil (U.K.) Ltd

EA	Eason
EB	EDC ( Europe) Ltd
EC	Elf Enterprise Caledonia Ltd
ED	Edinburgh Oil and Gas Plc
EE	Entec
EJ	Enjay Holdings Ltd
EK	Encana (U.K.) Limited
EL	Elf
EM	ExxonMobil
EN	Ensign Geophysics

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EO	Encore Oil Plc
ER	Enovation Resources Ltd
ES	Esso
ET	Enterprise
EV	Endeavour Oil & Gas
EX	ECL
EZ	Exxon

FA	Fairfield Aquatronics
FD	Floyd Oil and Gas (U.K.) Ltd
FL	Fluor
FN	Fina
FO	Faroe Petroleum
FR	Forest

GB	GdF Britain Ltd
GC	Gas Council
GD	Gardline Surveys
GE	Geco
GF	Fugro Geoteam
GK	Geotek
GL	Goal Petroleum Plc
GM	Geocom
GN	Grant Norpac
GO	Geophysical Offs Exp
GP	G.S.I
GQ	Geoquest
GR	Granby
GT	Getty
GU	Gulf
GZ	Gelsenberg A.G.

HA	Hamilton
HB	HGS (Halliburton Geophysical Services)
HD	Hadson Petroleum
HE	Heiraco
HI	Highland Exploration Ltd
HL	Harlech Exploration (UK) Ltd
HM	Hamilton/Amoco
HO	Home
HT	Hunt
HU	Hurricane International Ltd
HY	Hydrocarbons GB
HZ	Humble Oil

IC	Ithaca Energy
IG	I.G.S

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IN	Inlet
IO	I.O.S
IS	InSeis AS
IT	Intera
IV	Invent

JB	Jebco
JS	Sefel

KL	Kilroy
KM	Kerr McGee
KS	Kish
KT	Kelt U.K. Ltd
KW	Kewanee

LH	Lasmo
LO	Lochiel Oil and Gas Ltd
LU	Lundin Oil
LX	Lennox Oil Company Plc

MA	Marathon
MB	Mobil
ME	Marathon/ Esso
MG	Mobi General Crude
MI	Milford
ML	Merlin Geophysical
MN	Monsanto
MO	Moray
MP	Merlin Profilers
MR	Maersk
MS	Mesa
MT	MTEM
MU	Murphy
MX	Marinex Petroleum Ltd
MZ	Mustang Oil Ltd

NA	N . Australian (NAP)
NB	N.C.B
NH	Norsk Hydro
NM	Nam
NO	NPD (Norwegian Petroleum Directorate)
NP	Nopec
NT	Nautical Petroleum plc
NU	Numac
NW	North West Water Authority
NX	Nexen

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OC	Oceanic and Atlantic
OE	Oil Exploration
OG	Olympic Geophysical
OJ	Oljepropektering AB
OM	OMV (UK) Ltd
OV	Oil Ventures
OX	Occidental
OY	Oryx UK Energy Company

PA	Palmer
PC	Petroleum Consultants
PD	Pendle Petroleum Ltd
PE	Petroland
PF	Petrofac Resources Ltd.
PG	Preussag
PH	Phillips
PI	PanCanadian
PK	Prakla
PL	Placid
PM	Premier
PN	Petromin
PO	Pan Ocean
PP	P.G.S. ( Petroleum Geo-Services)
PR	Petty Ray / Geosource
PT	Petro-Canada
PU	Perenco U.K. Ltd
PX	Pentex Oil Ltd
PY	Place Oil and Gas Ltd
PZ	Pennzoil

QB	Quintana
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RA	CNR/Ranger
RC	Racal Geophysics
RD	RWE-DEA UK Ltd
RE	Reach Exploration
RH	Restech
RK	Rockall
RO	Rocksource AS
RP	REAP UK Ltd
RS	Rees Geophysical
RT	R.T.Z

SA	Horizon
SB	Siebens
SC	Scicon
SD	Shenandoah

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SE	S.E.I
SF	Seismic Profilers A.G
SG	Saga
SH	Shell
SI	Shallseis
SJ	Saxon Oil Ltd
SK	Seabrook and Associates
SL	Signal
SM	Seagram
SN	Shelf
SO	S.E. Offshore
SP	Superior
SQ	Santa Fe Minerals (UK) Inc
SR	Sea Search
SS	S.S.L
ST	Statoil
SU	Sun
SV	Sovereign
SW	Spectrum Geophysical
SX	Nopec/Geco-Statex A/S
SY	Svenska
SZ	Seiscom Delta

TA	Taylor Woodrow
TB	Talisman
TC	Tricentrol
TD	Trend
TE	Texas Eastern
TG	Texas Gas
TH	Trafalgar House
TL	Teledyne
TM	Transocean / Mobil
TN	Tenneco
TO	Transocean
TP	Texas Pacific
TR	Teredo Oils Ltd
TS	Tensor Geophysical
TT	Total
TU	Tullow Exploration Ltd
TW	Transworld Petroleum (U.K.) Ltd
TX	Texaco

UC	United Canso
UD	Marconi U.D.I
UL	Ulster Petroleums (Canada Ltd)
UN	Unocal
UP	United Overseas Production

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UT	Ultramar
UU	Union Texas

VA	Valhalla
VB	Veba
VC	CGGVeritas
VE	Venture
VG	Voyager
VT	Veritas

WD	Welldrill
WE	Wham Energy plc
WG	Western Geophysical
WH	Whitehall
WI	Wintershall
WK	Weeks Petroleum (UK) Ltd
WM	Wimpol Ltd
WR	Whiterock
WS	Western Warner UK Ltd
WW	Worldwide Surveys

XS	Silverstone Energy Ltd
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YC	Century Exploration
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ZG	Scram Group
ZH	SPT (Simon-Horizon Technology)
ZP	Scott Pickford
ZT	Seateam
ZX	Zapata