

STATUS OF DDR PLUS SCHEMA OCTOBER 2018



Why?

Back to the IADC Members Questionnaire on
how to keep the DDR Plus relevant

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Why?

Q15. a) What are the top three things you would like changed on or about the IADC DDR to make it more useful for you and/or your company?

STATUS OF DDR PLUS SCHEMA OCTOBER 2018



Question 15 Results

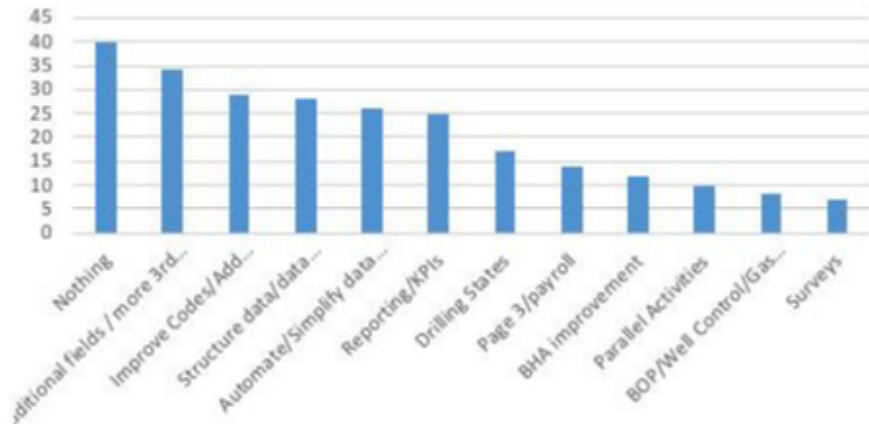
Responses	#1 comment	#2 comment	#3 comment	Unweighted Count	Weighted* Count
1 No Comment	23	33	49	105	184
2 Nothing	10	14	16	40	74
3 Additional fields / more 3rd party data fields	8	11	15	34	61
4 Improve Codes/Add Subcodes	20	7	2	29	76
5 Structure data/data validation/data security	12	13	3	28	65
6 Automate/Simplify data entry	14	10	2	26	64
7 Reporting/KPIs	5	12	8	25	47
8 Drilling States	7	3	7	17	34
9 Page 3/payroll	7	3	4	14	31
10 BHA improvement	3	1	8	12	19
11 Parallel Activities	5	4	1	10	24
12 BOP/Well Control/Gas Detection	3	3	2	8	17
13 Surveys	0	6	1	7	13

* Weights: C1 - 3pts, C2 - 2pts, C3 - 1pt

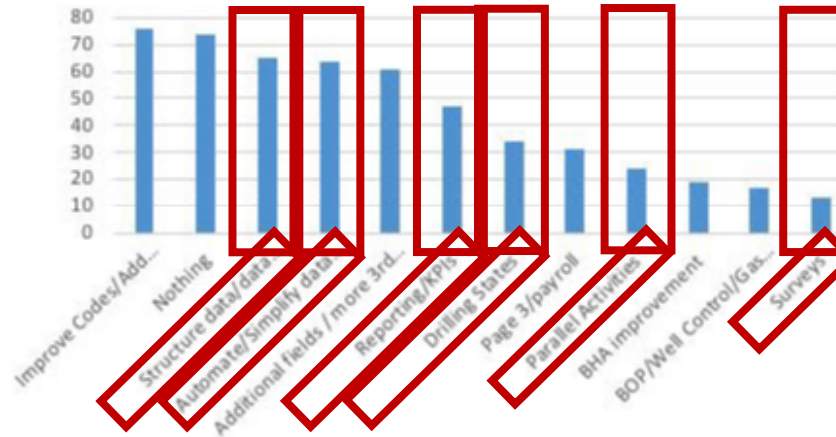
47 additional comments didn't fit into one of these categories

Analysis by David Millwee,
VP Operational Support
Services, H&P

Unweighted Count



Weighted* Count



STATUS OF DDR PLUS SCHEMA OCTOBER 2018



How?

Digital version of the DDR Plus

Data is structured

Validated

Secured

Automated data entry

Activities from Rig State Detection engines

Collaborative - service providers contribute their parts of the report

Re-usable for reporting, e.g., Operator DDRs

KPIs

Benchmarking

For reporting & analytics companies, & Contractors

STATUS OF DDR PLUS SCHEMA OCTOBER 2018



What?

Digital, XML Schema

WITSML 2.0

With documentation
describing contents &
how to use it

```
<!-- Start TourActivity -->
<xs:complexType name="TourActivity">
  <xs:sequence>
    <xs:element name="DTimStart" type="eml:TimeStamp" minOccurs="0" maxOccurs="1"/>
    <xs:element name="DTimEnd" type="eml:TimeStamp" minOccurs="0" maxOccurs="1"/>
    <xs:element name="Duration" type="eml:TimeMeasure" minOccurs="0" maxOccurs="1"/>
    <xs:element name="Remark" type="eml:String2000" minOccurs="0" maxOccurs="1"/>
    <xs:element name="IadcCode" type="witsml:IadcOperationCode" minOccurs="0" maxOccurs="1"/>
  </xs:sequence>
  <xs:attribute name="uid" type="eml:String64">
    <xs:annotation>
      <xs:documentation>Unique identifier for this instance of activity.</xs:documentation>
    </xs:annotation>
  </xs:attribute>
</xs:complexType>
<xs:simpleType name="witsml:IadcOperationCode">
  <xs:restriction base="eml:TypeEnum">
    <xs:enumeration value="1">
      <xs:annotation>
        <xs:documentation>RIG UP AND TEAR DOWN</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="2">
      <xs:annotation>
        <xs:documentation>DRILL ACTUAL</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
</xs:simpleType>
```

STATUS OF DDR PLUS SCHEMA OCTOBER 2018



Questions?

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Thank you

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