

Updating Current Guidelines to UNFC Document- Solid Fuels & Mineral Commodities (Draft Proposal)

**Mücella Ersoy
(Turkish Coal Enterprises)**

**The first Session of UNECE
Ad Hoc Group of Experts on
Supply of Fossil Fuels
10-11 November 2004, Geneva**

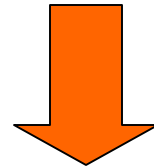
Main Principle for Updating

- To adapt existing Guidelines for solid fuels and mineral commodities to final version of UNFC
 - By removing the parts related with general part of final version
 - By adding uranium parts

Update of ENERGY/2001/11 Document Title

- ENERGY/2001/11

- **GUIDELINES to The UNITED NATIONS
INTERNATIONAL FRAMEWORK CLASSIFICATION
FOR RESERVES/RESOURCES
Solid Fuels and Mineral Commodities**



Proposal for Update

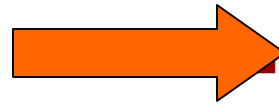
**GUIDELINES TO THE UNITED NATIONS FRAMEWORK
CLASSIFICATION FOR ENERGY AND MINERAL RESOURCES
Coal, Uranium and Other Solid Minerals**

Update of ENERGY/2001/11 Document Through the whole document

■ ENERGY/2001/11
Document

■ Proposal for
Update

■ UN Framework
Classification



UNFC

Update of ENERGY/2001/11 Document

Preface

- ENERGY/2001/11 Document

1. Introduction



- Proposal for Update

1. Preface

This document is an update of the UN/ECE document: GUIDELINES TO THE UNITED NATIONS INTERNATIONAL FRAMEWORK CLASSIFICATION FOR RESERVES/RESOURCES- Solid Fuels and Mineral Commodities, ENERGY/2001/11. The update reflects the developments since 2001.

Update of ENERGY/2001/11 Document

Objective

- ENERGY/2001/11 Document

- 2. Objective



**Paragraphes
3,4,5
Removed**

- Proposal for Update

- 2. Objectives

- These Guidelines are aimed at both technical and non-technical persons and are designed to assist in the use and application of the **UNFC for Coal, Uranium and Other Solid Minerals**. The definitions of terms relevant to the UNFC are given in Appendix I making the Guideline a comprehensive document. **The main objective of the Guidelines including Guidelines for petroleum, is to assist in incorporating the numerous conventional classifications into the UNFC in order to make them comparable. This harmonisation will finally allow mineral statistics to be communicated internationally using a uniform system based on market economy criteria.** These Guidelines can be adopted on a national basis, taking into account country specific features.

Update of ENERGY/2001/11 Document

Objective

- ENERGY/2001/11 Document

- 2. Objective


**Paragraphs
3,4,5 Removed**

- Proposal for Update

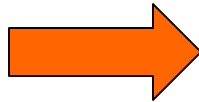
- 2. Objectives (cont)

- For those who do not deal daily with the classification of reserves/resources, a Key for the Classification of Reserves/ Resources has been prepared (ECE-UN document: ENERGY/2001/10). This Classification Key provides the user with an easy to use tool for classifying reserves/resources according to the **UNFC**

Update of ENERGY/2001/11 Document

Application of UNFC

- ENERGY/2001/11 Document



- **3. Application of the UN Framework Classification**

- Proposal for Update

- **3. Application of UNFC to Coal, Uranium & Other Solid Minerals**

- Since the introduction of the **UNFC for solid fuels and mineral commodities** in 1997, a number of countries have started to apply it on a national level and to adopt it to their specific needs. Other countries are considering applying it, and several countries without their own national classification system are now commencing to formulate a national system on the basis of the **UNFC**. **Application of UNFC to URANIUM should be added**

Update of ENERGY/2001/11 Document

Application of UNFC

ENERGY/2001/11 Document

Three criteria:

- Geological Assessment,
- Feasibility Assessment,
- Economic Viability.




Proposal for Update

Three criteria:

- Geological Knowledge,
- Field Project Status & Feasibility
- Economic & Commercial Viability.

Update of ENERGY/2001/11 Document

Titles of Figure 1, 2, 4

- ENERGY/2001/11 Document
 - **United Nations International Framework Classification for Reserves/ Resources – Solid Fuels and Mineral Commodities**
 - Proposal for Update
 - **United Nations Framework Classification for Energy and Mineral Resources – Coal, Uranium and Other Solid Minerals**
- 

Update of ENERGY/2001/11 Document

Title of Figure 4

- ENERGY/2001/11 Document ■ Proposal for Update
- Fig.4: Proposed UN Mineral Reserve/Resource Terminology → **“Proposed” should be deleted**

UN International Framework	National System	Detail Exploration	General Exploration	Prospecting	Reconnaissance
Feasibility Study and/or Mining Report		1 Proved Mineral Reserve (111) 2 Feasibility Mineral Resource (211)	usually		
Prefeasibility Study		1 Probable Mineral Reserve (121) + (122) 2 Prefeasibility Mineral Resource (221) + (222)	not relevant		
Geologic Study*)		3 Measured Mineral Resource (331)	3 Indicated Mineral Resource (332)	3 Inferred Mineral Resource (333)	3 Reconnaissance Mineral Resource (334)

Economic Viability Categories: 1: economic 2: potentially economic 3: economic to potentially economic (intrinsically economic)

Code: (123)

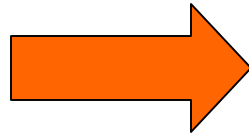
Update of ENERGY/2001/11 Document

Additional classes for uranium resources

■ ENERGY/2001/11 Document

Proposal for Update

■ There is no



Information under the heading
“Additional classes for uranium
resources” should be added
below Figure 4.

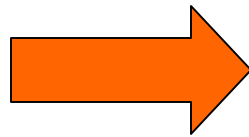
Update of ENERGY/2001/11 Document

Definitions of uranium terms

■ ENERGY/2001/11
Document

Proposal for Update

■ There is no



**“Definitions of uranium terms”
should be added below Table 1.**

Update of ENERGY/2001/11 Document

Figure 5

■ ENERGY/2001/11 Document

Proposal for Update

■ Fig. 5. Table for World-wide Survey

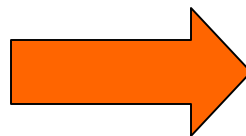


Figure 5 should be removed

Update of ENERGY/2001/11 Document

Figure 6

- ENERGY/2001/11 Document

Proposal for Update

- Fig.6



Fig. 5

- Fig. 6. Reserve and Resource Classes for World Energy Resource Survey



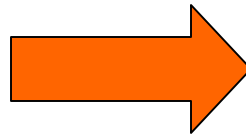
Fig.5. Reserve and Resource Classes of Coal, Uranium and Other Solid Minerals for World Energy Resource Survey

Update of ENERGY/2001/11 Document Codification

- ENERGY/2001/11 Document

Proposal for Update

- Codification



“Codification” part should be removed

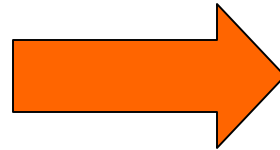
Update of ENERGY/2001/11 Document

Appendix 1

- ENERGY/2001/11 Document

- **Appendix I:**

-deposit.....



- Proposal for Update

- **Appendix I:**
(everywhere)

-**deposit or part of it...**

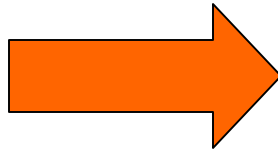
Update of ENERGY/2001/11 Document

Appendix 1

- ENERGY/2001/11 Document

- Appendix I:

- No sub-category
- codes



- Proposal for Update

- Appendix I:

- E1

- E1.1

- E1.2

- E2.1 sub-categories

- E2.2 added

- F1

- F1.1

- F1.3

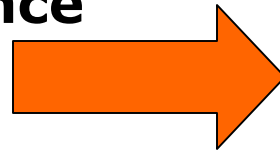
Update of ENERGY/2001/11 Document

Appendix 1

- ENERGY/2001/11 Document

- Appendix I:

- G4 Reconnaissance
- (no uranium)



- Proposal for Update

- Appendix I:

- G4 Reconnaissance studies for uranium should be added

Update of ENERGY/2001/11 Document

Figure 8

■ ENERGY/2001/11 Document

Proposal for Update

■ Fig.8



Fig. 6

■ Fig. 8. Schematic Illustration of UN Framework Classification



Fig.5. Schematic Illustration of UNFC Applied to Coal, Uranium and Other Solid Minerals