

AWES Recommended Practice For Flat-Packs (FP)

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Foreword

AWES (Advanced Well Equipment Standardisation) is a global industry workgroup formed under the guidance of OTM Consulting. Invitation to this group has been extended to members of various branches of the oil and gas industry including oil and gas exploration and production companies, service companies and equipment vendors.

The main task of this technical committee is to prepare an international recommended practice based on the statement of requirements of the end users of Flat-Packs. This committee and the resultant recommended practice will not be designed to hamper innovation of equipment developed by suppliers/manufacturers. Instead the focus has been dedicated to standardizing the qualification testing criteria of said equipment as per mutually agreeable conditions.

This document is only valid if it has been verified to be the latest revision.

1. Introduction

This Recommended Practice (RP) has been developed by users/purchasers and suppliers/manufacturers of downhole equipment and products that are intended for use in the petroleum and natural gas industry worldwide. This RP is intended to provide requirements and information to both parties regarding qualification and acceptance testing performed on the device to validate product functionality.

Users of this RP should be aware that requirements above those outlined in this RP may be needed for individual applications.

This RP is not intended to inhibit a supplier/manufacture from offering, or the user/purchaser from accepting, alternative equipment or engineering solutions. This may be particularly applicable where there is innovative or developing technology. Where an alternative is offered, the supplier/manufacture should identify any variations from this RP.

2. Scope

The scope of this recommended practice covers systems of small diameter components that have been encapsulated with other components in a polymer jacket. These other components can include, but are not limited to, continuous tubing, TEC, TEF, and strength members.

These products are used as components for sub surface safety systems, chemical injection systems, down hole monitoring systems, and hydraulic control systems.

This document will detail qualification tests, requirements, FAT and define minimum performance standards.