

▼ Foreign Media Collaboration Framework

A collaborative environment for translators, analysts and intelligence producers



FMCF

基础设施 поддерживать الحل

Northrop Grumman's Foreign Media Collaboration Framework is a service-oriented architecture (SOA) that integrates, manages and exposes foreign language processing tools and leverages the best software available for machine translation, optical character recognition (OCR), and automatic speech recognition. The FMCF includes a robust set of collaboration tools, supporting business processes that involve workflows for human and machine translation. It is available through a user-friendly, intuitive portal.

Reducing Costs and Risks

Exposing translation capabilities as net-enabled services in a SOA framework like the FMCF and employing standardized front-end user interfaces like the FMCF portal and Northrop Grumman's Translator Workbench can significantly reduce cost and risk of delivering, maintaining, upgrading integrated capabilities, as well as streamlining user access and training.

Cost-effective Integration

For the National Air and Space Intelligence Center, an organization that pioneered the development of linguistic processing, using the FMCF's SOA-based IT methodology is the key to cost-effective integration of linguistic processing in their intelligence production processes. What is more, these concepts and capabilities solve the problem of required access to related mission resources, such as web-based analysis, data storage, search and retrieval services and multi-level security applications.

Features

Full lifecycle support for media requiring OCR, automatic speech

	Machine Translation				OCR			ASR
	Systran	Sakhr	Language Weaver	AppTek	Abbyy FineReader	Sakhr Reader	ReadIRIS	BBN-AMC
Albanian	*				✓			
Arabic	★	★	★	★		✓		✓
Bahasa				★	✓			
Chinese	★		★	★	✓		✓	✓
Dutch	★		★	★	✓			
French	★		★	★	✓			
German	★		★	★	✓			
Hindi			★					
Italian	★			★	✓			
Japanese	★			★	✓		✓	
Korean	★		★	★	✓		✓	
Persian	*		★	★		✓		
Polish	*			★	✓			
Portuguese	★		★	★	✓			
Somali			★					
Serbo-Croatian	★				✓			
Romanian			★					
Russian	★		★	★	✓			
Spanish	★		★	★	✓			
Swedish	★		★		✓			
Tagalog				★	✓			
Turkish				★	✓			
Ukrainian	*			★	✓			
Urdu	*			★		✓		

* Monodirectional ★ Bidirectional ✓ Supported

FMCF Language Support - Language coverage available to all FMCF tools, services, and products.

recognition, machine translation and human translation:

- Federated machine translation and automatic speech recognition
- Federated multi-lingual federated search (SharePoint collections and relational data stored in SQL server)
- SharePoint collaboration portal
- Automated web publishing
- Translators workbench
- Northrop Grumman's Parallel Corpora tool suite (editing tools, auto-upload, discovery and dissemination)
- All versions of documents maintained

- Scalable web service architecture
- Department of Defense Discovery Metadata Standard (DDMS) XML compliant
- Office XML compliant

For more information, please contact:

Northrop Grumman Information Systems
 2555 University Boulevard, Suite 200
 Fairborn, OH 45324
 Garin R. Clint
 garin.clint@ngc.com
 937-429-6247