

# *JAQG Special Process WG Organization and Activities*

*JAQG Special Process Working Group*

*Akihiko Hotta (KHI), Leader*

*Nadcap Asia Symposium in Japan*

*31 Oct, 2011*

## Introduction and Explanation

- JAQG Organization  
(**JAQG**: Japanese Aerospace Quality Group)
- JAQG Special Process WG members
- Scope of the WG activities
- Detail Activities
- Reporting of the Activities

# International Aerospace Quality Group



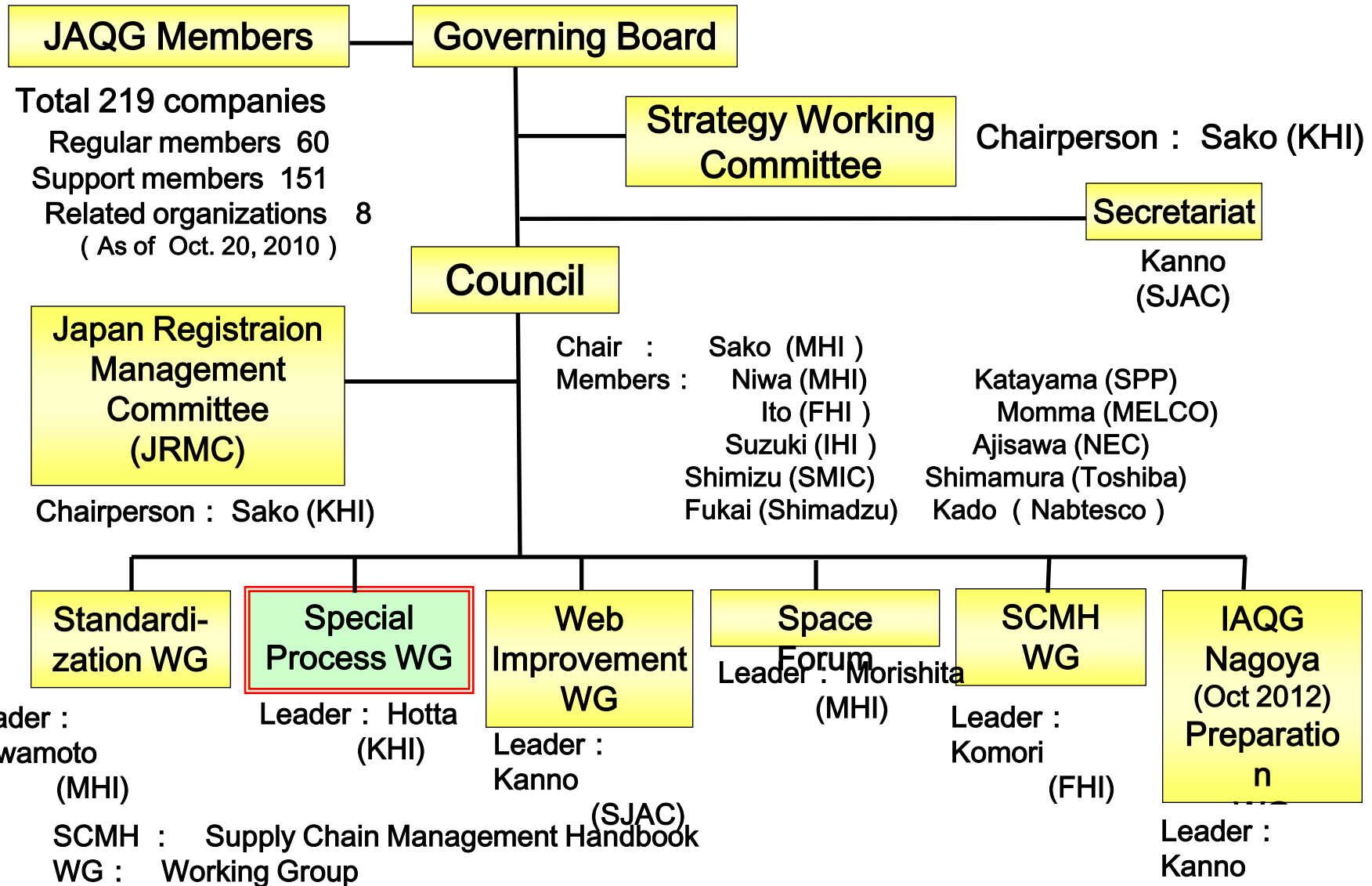
20 Organization (SAE)

34 Organization (ASD)

13 Organization (SJAC)

SAE : Society of Automotive Engineers  
ASD : Aerospace and Defense Industries Association of Europe  
SJAC: Society of Japanese Aerospace Companies

# JAQG Organization



## Members of Special Process WG (FY2011)

The WG consists of the members from Japanese major airframe/engine/equipment companies.

- Akihiko Hotta (KHI) (*Leader*)
- Junji Tsuji (IHI)
- Yasushi Kakuda (FHI)
- Katsumi Nagasaki (MHI)
- Kunio Takimoto (MHI)
- Hiroaki Kakimoto (Shin Maywa)
- Tetsuo Taniguchi (Shimadzu)
- Yoshihisa Okafuji (Sumitomo Precision Products)
- Kazuhiko Kubo (Nabtesco)
- Koichiro Takeuchi (Mitsubishi Electric) *\*No Nadcap accreditation*

## Support Members for the WG

- Yoshiomi Sukesada (Asahi Kinzoku Kogyo)
- Toshiyuki Serizawa (IHI)

# Scope and Activities of the WG

- Scope :

The WG is supporting that Japanese suppliers acquire and maintain Nadcap accreditation.

- Detail Activities :

- (1) AC Checklists translation

- Nadcap AC Checklists translated to Japanese, and posted on JAQG Web. (44 ACs posted as of today, 31 Oct 2011)

- (JAQG Web Site <http://sjac-jaqg.kir.jp>)

AC checklist in Japanese is very valuable for Japanese Suppliers to completely understand applicable AC checklist.

*(To be continued)*

# Activities (Cont'd)

## (1) AC Checklists translation

Posted on [JAQG Web](#)

(44 ACs posted, as shown the Table (right-hand))

Example of AC Checklist  
(English - Japanese translated)

AC 7102 Revision F

参考用 (Reference Only)

6. INSPECTION	NA
6. 検査	
6.1 Process Verification	
6.1 工程の検証	
6.1.1 Is each heat treatment cycle reviewed for job traceability, correct temperature, time at temperature and all other related parameters?	YES NO
6.1.1 各熱処理サイクルは、当該作業へのトレーサビリティ、正しい温度、当該温度での時間その他関連するすべてのパラメータについてレビューされているか？	
6.1.2 Is this review performed by Quality Assurance or other designated personnel and the review documented on the furnace recording?	YES NO
6.1.2 上記のレビューは品質保証あるいは他部門の任命された作業員によって実施され、炉の記録上に記録されているか？	
6.1.3 Are the acceptance status and any test data recorded on the shop paper only after the operation for that job has been completed?	YES NO
6.1.3 合否ステータスおよび試験データはすべて、必ず当該作業が終わってから、S/O上に記録されているか？	

English-Japanese  
(Line by Line style)

### AC Checklists posted on JAQG Web

PROCESS	AC Number / Rev.
<b>AEROSPACE QUALITY SYSTEM (AQS)</b>	
Inspection and Test Quality System	AC 7004 Rev.E
<b>CHEMICAL PROCESSING (CP)</b>	
Basic Chemical Processing Checklist	AC 7108 Rev.D
Painting & Dry Film Coatings	AC 7108/1 Rev.A
Etch	AC 7108/2 Rev.B
Surface preparation prior to metal bonding	AC 7108/3 Rev.A
Chemical Milling	AC 7108/5 NC
<b>COATINGS (CT)</b>	
Basic Coatings Checklist	AC 7109 Rev.C
Thermal Spray	AC 7109/1 Rev.B
Coating Evaluation Lab Practices	AC 7109/5 Rev.D
<b>HEAT TREATING (HT)</b>	
Basic Heat Treating Checklist	AC 7102 Rev.F
Aluminum Heat Treating	AC 7102/2 Rev.B
Carburizing	AC 7102/3 Rev.A
Nitriding	AC 7102/4 Rev.A
Hardness Testing	AC 7102/5 Rev.A
Supplemental Audit Criteria for Heat Treating	AC 7102 S Rev.C
<b>NONCONVENTIONAL MACHINING (NM)</b>	
Nonconventional Machining	AC 7116 Rev.A
Electrical Discharge Machining (EDM)	AC 7116/3 Rev.A
Laser Beam Machining (LBM)	AC 7116/4 Rev.A
<b>SURFACE ENHANCEMENT (SE)</b>	
Shot Peening, Peen Forming, Glass Bead Peening	AC 7117 Rev.A
Supplement, Shot Peening, etc.	AC 7117S NC
Automated Peening	AC 7117/2 NC
Supplement, Automated Peening	AC 7117/2S NC
Flapper Peening	AC 7117/4 NC
Manual Peening	AC 7117/5 NC
Supplement, Manual Peening	AC 7117/5S NC
<b>NONDESTRUCTIVE TESTING (NDT)</b>	
Basic NDT Checklist	AC 7114 Rev.E
Supplement, NonDestructive (NDT)	AC 7114S Rev.F
Penetrant	AC 7114/1 Rev.E
Supplement, PT	AC 7114/1S Rev.F
Magnetic Particle	AC 7114/2 Rev.E
Supplement, MT	AC 7114/2S Rev.F
Ultrasonic	AC 7114/3 Rev.F
Supplement, UT	AC 7114/3S Rev.F
Radiography	AC 7114/4 Rev.E
Supplement, RT	AC 7114/4S Rev.F
<b>WELDING (WLD)</b>	
Basic Welding Checklist	AC 7110 Rev.E
Electron Beam Welding	AC 7110/3 Rev.F
Fusion Welding	AC 7110/5 Rev.F
Supplement, Fusion Welding	AC 7110/5S Rev.A
Welder/Welding Operator Qualification	AC 7110/12 Rev.C
Supplement, Welder/Welding Operator Qualification	AC 7110/12S Rev.A
Metallographic Evaluation of Welds	AC 7110/13 Rev.A
Supplement, Metallographic Evaluation of Welds	AC 7110/13S Rev.A
<b>COMPOSITE (COMP)</b>	
Basic Composites Checklist	AC 7118 Rev.B

# Activities (Cont'd)

## AC checklists on JAQG Website

JAQG Web Top page (after LOGIN)

## JAQG Members Website

<http://sjac-jaqg.kir.jp/>

*Nadcap AC checklists  
(English - Japanese)  
[Click Here !](#)*



**Main Menu**

- ホーム (Home)
- FAQ
- SiteMap
- Membership Only
- SCM知識
- Nadcap AC日英対訳版**
- APAQG Website
- Download
- Contact
- イベント案内
- イベント案内 (会員専用)
- Bulletin Board

**User Menu**

- アカウント情報
- アカウント編集
- イベント通知機能
- ログアウト
- 受信箱

**Search**

高度な検索

**JAQGメンバー専用ページ**

JAQGメンバー専用ページによるこも

**Membership Only (最新のの記事)**

- 第81回JAQG幹事会議事録(平成23年6月23日) (2)
- 第80回JAQG幹事会議事録(平成23年5月20日) (2)
- リスクマネジメント(Risk Management) (2011-6-1)
- 第79回JAQG幹事会議事録(平成23年4月18日) (2)
- 第78回JAQG幹事会議事録(平成23年3月28日) (2)
- 品質保証方式における第三者監査監督に関する事務
- H23年度JAQG運営委員会 (2011-4-15)
- 第11回JAQGスペースフォーラム (2011-4-4)
- 第77回JAQG幹事会議事録(平成23年2月21日) (2)
- 平成23年2月開催JAQG活動報告会の配付資料カラ
- 第76回JAQG幹事会議事録(平成23年1月24日) (2)
- 第75回JAQG幹事会議事録(平成22年12月21日) (
- 供給者の選定及び能力評価(Supplier Selection &
- 初回製品検査(FAI) (2011-1-13)
- 異物による損傷/異物(FOD) (2011-1-13)

**Membership Only (最近のアップロード・ファイル)**

- 第81回JAQG幹事会議事録 (2011-7-14)
- 第80回JAQG幹事会議事録 (2011-6-28)
- リスクマネジメント(Awareness) (2011-6-10)
- リスクマネジメント(storyboard) (2011-6-10)
- リスクマネジメント(Introduction) (2011-6-10)
- AC7102S Rev.C (2011-5-31)
- AC List(2011/May/31) (2011-5-31)
- H23年度JAQG運営委員会議事録 (2011-5-25)
- H23年度JAQG運営委員会配布資料 (2011-5-25)
- 第79回JAQG幹事会議事録 (2011-5-24)
- AC7102S Rev.C (2011-4-28)

**Download (新着ダウンロード)**

- H22年度JAQG活動説明会 配布資料(24) 管理人
- 9100 Clarifications(9100要求事項の差説明補正
- 補足規定001 - 91XX:2009 移行に関する規定(改
- 補足規定001 - 91XX:2009 移行に関する規定(13)
- H21年度JAQG活動報告会 配布資料(168) 管理人
- 2009年 JAQG Other Party Management Team
- 9100 Change & Rationale(9100規格の変更箇
- JAQG会員専用ウェブサイト ユーザーガイド(73) 管
- 平成21年度IAQG/JAQG活動説明会 配布資料(2
- JAQG設置運用規則 など(24) 管理人 2009/07/27

**Download (トップダウンロード)**

- IAQG 9100: 2008(JIS Q 9100: 2009)改正概要
- Nadcapについて(508) 管理人 2007/12/06
- 9100 Change & Rationale(9100規格の変更箇



# Activities (Cont'd)

## Detail Activities (Cont'd)

### (2) Proposals and requests regarding AC checklist.

- **Proposals, requests, opinion**, etc. from Japanese suppliers, summarized by the WG, and **submitted to Task Group.**

**Request Form used --->**  
(From supplier to the Task Group)

Audit Criteria Change Request Form		
1. *	Requester Name and Company	
2.	Endorsement (if required) Name and Company	
3. *	Date submitted (dd/mmm/yyyy)	
4.	Checklist Number	
5. *	Checklist Paragraph(s)	
6. *	Proposed wording change(s)	
7. *	Justification for change (Ref Audit # if applicable)	
8.	Classification (see definitions)	
9.	If a Requirement:	
10.	Priority (see definitions)	
11.	Cost Assessment (Estimated increase or reduction)	
12. *	Origin of new Requirements (see definitions)	

# Activities (Cont'd)

## Detail Activities (Cont'd)

### (2) Proposals and requests regarding AC checklist. (Cont'd)

- After submitting, **discussion made directly with prime members / staff engineers of the Task Group** at the Nadcap Meeting, requesting the Task Group to **reflect the proposals/requests to the next revision** of the applicable AC checklist.

#### - Applicable commodities and results of the activities;

FY2010; CP (Chemical Process)

**17 requests submitted -> 6 included** in next revision of AC7108 Series.

FY2011; SE (Surface Enhancement, Shot Peening)

**10 requests submitted -> 8 included** in next revision of AC7117 Series.

#### - Commodities planned for the future activities;

FY2011 to FY2012; CT (Coatings)

FY2012 and after; HT, NDT, COMP.

- Detail Activities (Cont'd)

(3) PRI Board of Director meeting

- Dispatch WG member to “PRI Board of Director” meeting.

(This year 2011, Mr.Tsuji (IHI): October 2011 (Boudreaux) )

(4) Supporting Nadcap Meeting (*Past activity*)

- The WG Supported “Nadcap Meeting Yokohama” (2008/10/6-10/9).

# Reporting of the Activities

## Reporting of the Activities (All JAQG Activities)

### (Reporting General Assembly)

- 1 Feb 2012 (Wed), Tokyo
- 3 Feb 2012 (Fri), Nagoya

Detail will be informed to the JAQG members through "JAQG NEWS".



*See you in the Assembly !*

*In closing, I would like to thank you all for listening so attentively.*

*We welcome your questions and comments.*

*JAQG Special Process WG*