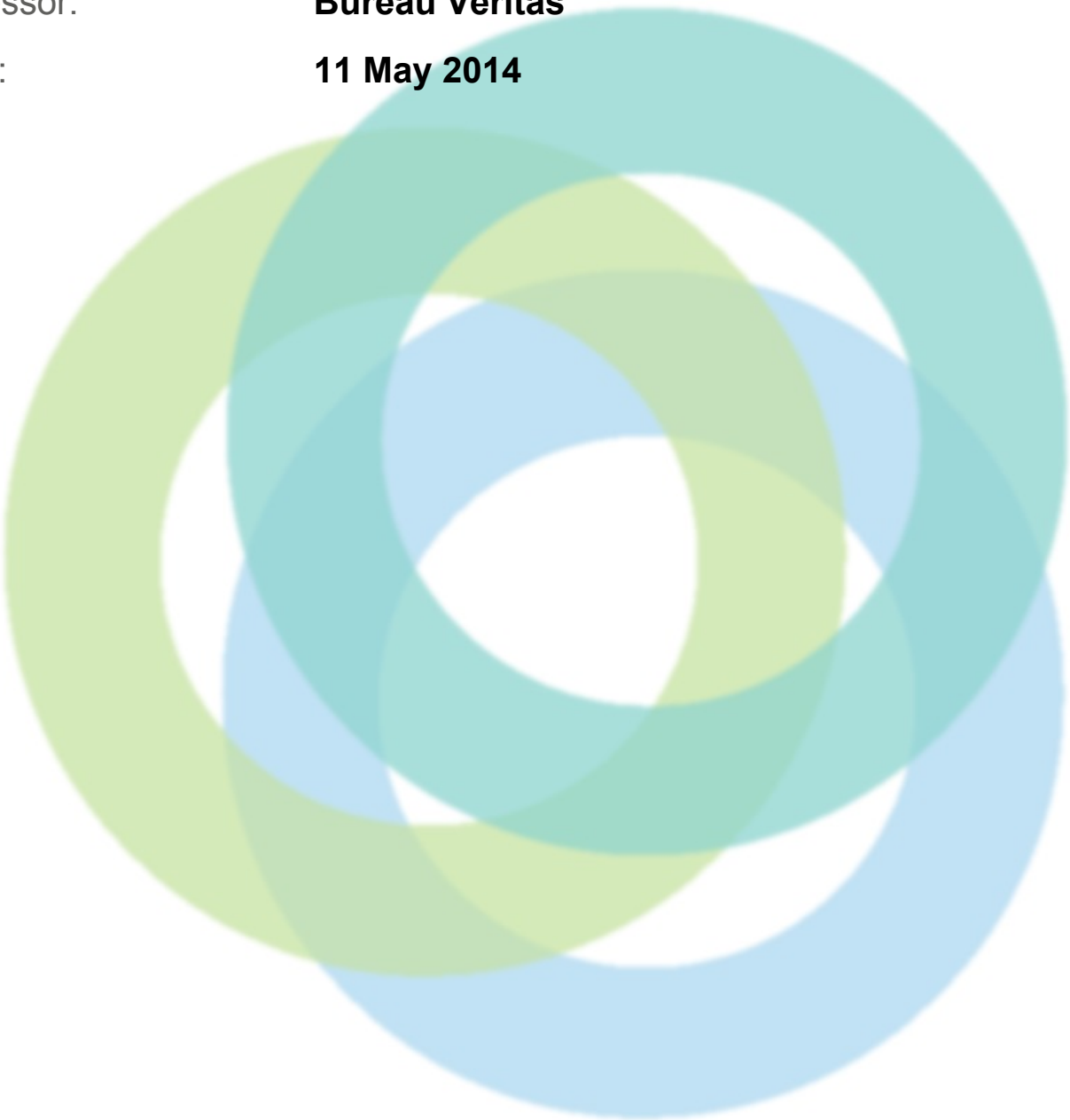


# INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name: **Cortz Apparels Ltd**  
Address: **Baniarchala Bager Bazar, Gazipur Gazipur Dhaka  
Bangladesh**  
Assessor: **Bureau Veritas**  
Date: **11 May 2014**





## Introduction to the Report

The following report contains a site profile and summary of non-conformities identified during an onsite assessment commissioned by the Alliance for Bangladesh Worker Safety (Alliance) and conducted by a third-party Qualified Assessment Firm (QAF). The assessment was conducted against the Alliance for Bangladesh Worker Safety Assessment Protocols (APs) and Fire Safety and Structural Integrity Standard, which is harmonized with the factory assessment guidelines developed by Bangladesh University of Engineering and Technology (BUET) for the Bangladesh National Tripartite Plan of Action (NTPA). The goal of the Alliance process is to provide clear and practical technical requirements by which Bangladeshi Ready Made Garment (RMG) Factories producing for Alliance members may be consistently and fairly evaluated for fire, structural, and electrical safety in a non-duplicative manner. Each assessment will prompt action plans that will be used by RMG factories to systematically and sustainably improve safety conditions for garment workers. Beyond tracking and reporting on action steps taken in a transparent manner, the Alliance organization and its members will seek to further support factory improvements through technical assistance, training, implementation support for functional Worker Committees, and in some cases financial assistance and wage support for workers if factories are closed for remediation.

The contents of the report do not constitute a guarantee of compliance with the applicable laws, the Alliance Standard or the absolute or continued safety against fire, electrical and/or structural integrity issues that may lead to injury or loss of life. The report is designed to provide a non-exhaustive summary of risk issues, based on a limited sampling and duration of time onsite by the named QAF. Neither the QAF nor the Alliance can certify or guarantee the quality, outcome, or effectiveness of actions taken in response to the report.

For more information and report feedback please go to: [www.bangladeshworkersafety.org](http://www.bangladeshworkersafety.org).





## GENERAL INFORMATION

### General Information

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Factory Name:                                             | Cortz Apparels Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Address:                                                  | Baniarchala Bager Bazar, Gazipur Gazipur Dhaka Bangladesh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Country:                                                  | Bangladesh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Province:                                                 | Dhaka                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| City:                                                     | Gazipur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Zip Code:                                                 | 1421                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Audit Duration:                                           | 1 Days                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Re-Audit:                                                 | Re-Audit After 0 Months                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Draft Report Date:                                        | 05-24-2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Final Report Date:                                        | 06-23-2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Are all Action Items From Previous Assessment Completed?: | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Buildings in Complex:                                     | There are 9 buildings in the factory premises out of which two are main production buildings and seven are ancillary buildings. The buildings are named as: 1) Two Story Prefab Main Production Building with Mezzanine Floor, 2) Single Story Prefab Production Building with Mezzanine Floor, 3) Single Story Prefab Dining and Prayer Shed, 4) Single Story RCC Dining and Lab room, 5) Single story RCC Boiler and pump room, 6) Single Story Prefab Generator Shed, 7) Single story RCC Guard Room, 8) Single story RCC Sub Station Building, 9) Single Story Prefab RMS Shed.                                                                                                                                                                                                                                                                                                                                                                   |
| Is the building(s) owned or rented by the Factory:        | Owned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Number of Building Levels (Stories):                      | Information provided below as per following format: Highest occupied floor level [Height up to roof], Stories above grade, Stories below grade, Occupied level. 1) Two Story Prefab Main Production Building with Mezzanine Floor: 4.37 m or 14.34 ft [7.37 m or 28 ft], 2, 0, 2. 2) Single Story Prefab Production Building with Mezzanine Floor: 3.05 m or 10 ft [6.10 m or 28 ft], 1, 0, 1. 3) Single Story Prefab Dining and Prayer Shed: At grade [3.66 m or 12 ft], 1, 0, 1. 4) Single Story RCC Dining and Lab room: At grade [3.05 m or 10 ft], 1, 0, 1. 5) Single story RCC Boiler and pump room: At grade [3.66 m or 12 ft], 1, 0, 1. 6) Single Story Prefab Generator Shed: At grade [3.66 m or 12 ft], 1, 0, 1. 7) Single story RCC Guard Room: At grade [3.05 m or 10 ft], 1, 0, 1. 8) Single story RCC Sub Station Building: At grade [3.66 m or 12 ft], 1, 0, 1. 9) Single Story Prefab RMS Shed: At grade [3.05 m or 10 ft], 1, 0, 1. |
| Approximate Building Area (SF):                           | Total area of all buildings in the factory premises: 97039 sft. Building wise breakdown as follows: 1) Two Story Prefab Main Production Building with Mezzanine Floor: 59658 sft (Ground Floor: 28289 sft, 1st Floor: 28289 sft, Mezzanine floor: 3080 sft), 2) Single Story Prefab Production Building with Mezzanine Floor: 25524 sft (Ground Floor: 20450 sft, Mezzanine floor: 5074 sft), 3) Single Story Prefab Dining and Prayer Shed: 7832 sft,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                     | 4) Single Story RCC Dining and Lab room: 1125 sft, 5) Single story RCC Boiler and pump room: 1760 sft; 6) Single Story Prefab Generator Shed: 450 sft, 7) Single story RCC Guard Room: 90 sft, 8) Single story RCC Sub Station Building: 520 sft, 9) Single Story Prefab RMS Shed: 80 sft.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Date of Building Construction:                      | Factory personnel informed that the date of construction as follows: Finished in 2009 (All buildings).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Date of Last Building Renovation/Addition:          | No record for date of construction was found from factory personnel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Ancillary Structures in Complex:                    | 1) Single Story Prefab Dining and Prayer Shed, 2) Single Story RCC Dining and Lab room, 3) Single story RCC Boiler and pump room, 4) Single Story Prefab Generator Shed, 5) Single story RCC Guard Room, 6) Single story RCC Sub Station Building, 7) Single Story Prefab RMS Shed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Approximate Ancillary Structures Area (SF):         | 1) Single Story Prefab Dining and Prayer Shed: 7832 sft, 2) Single Story RCC Dining and Lab room: 1125 sft, 3) Single story RCC Boiler and pump room: 1760 sft; 4) Single Story Prefab Generator Shed: 450 sft, 5) Single story RCC Guard Room: 90 sft, 6) Single story RCC Sub Station Building: 520 sft, 7) Single Story Prefab RMS Shed: 80 sft.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Number of Occupants:                                | Total number of occupants: 1083. 1) Two Story Prefab Main Production Building with Mezzanine Floor: 846 (GF: 275, 1st Floor: 560, Mezzanine floor: 11), 2) Single Story Prefab Production Building with Mezzanine Floor: 220 (GF: 215, Mezzanine floor: 5), 3) Single Story Prefab Dining and Prayer Shed: 3, 4) Single Story RCC Dining and Lab room: 3, 5) Single story RCC Boiler and pump room: 6, 6) Single Story Prefab Generator Shed: 1, 7) Single story RCC Guard Room: 3, 8) Single story RCC Sub Station Building: 1, 9) Single Story Prefab RMS Shed: 1.                                                                                                                                                                                                                                                                                                                                                           |
| Number of Ancillary Levels (Stories):               | 1) Single Story Prefab Dining and Prayer Shed: Building height (Highest occupied floor level): At grade [Height up to roof: 3.66 m or 12 ft], Occupied levels: 1. 2) Single Story RCC Dining and Lab room: Building height: At grade [Height up to roof: 3.05 m or 10 ft], Occupied levels: 1. 3) Single story RCC Boiler and pump room: Building height: At grade [Height up to roof: 3.66 m or 12 ft], Occupied levels: 1. 4) Single Story Prefab Generator Shed: Building height: At grade [Height up to roof: 3.66 m or 12 ft], Occupied levels: 1. 5) Single story RCC Guard Room: Building height: At grade [Height up to roof: 3.05 m or 10 ft], Occupied levels: 1. 6) Single story RCC Sub Station Building: Building height: At grade [Height up to roof: 3.66 m or 12 ft], Occupied levels: 1. 7) Single Story Prefab RMS Shed: Building height: At grade [Height up to roof: 3.05 m or 10 ft], Occupied levels: 1. |
| Occupancy Type:                                     | 1) Two Story Prefab Main Production Building with Mezzanine Floor: [Ground floor: G2 (Cutting, Sample finishing), B2 (Day care), D1 (Doctors chamber), H2 (Fabric Store and Stationary Store), G2 (Spot Removing Room), 1st Floor: G2 (Sewing), F1 (Office); Mezzanine floor: F1 (Office)], 2) Single Story Prefab Production Building with Mezzanine Floor: [Ground floor: G2 (Packing, Inspection), H2 (Fabric Store, Temporary Store), Mezzanine floor: H2 (Finished Carton Store)], and see the description.                                                                                                                                                                                                                                                                                                                                                                                                               |
| Construction Type:                                  | 1) Two Story Prefab Main Production Building with Mezzanine Floor: Non-rated, 2) Single Story Prefab Production Building with Mezzanine Floor: Non-rated, 3) Single Story Prefab Dining and Prayer Shed: Non-rated, 4) Single Story RCC Dining and Lab room: Type 1, 5) Single story RCC Boiler and pump room: Type 1, 6) Single Story Prefab Generator Shed: Non-rated, 7) Single story RCC Guard Room: Type 1, 8) Single story RCC Sub Station Building: Type 1, 9) Single Story Prefab RMS Shed: Non-rated.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Height of Highest Occupied Floor Level Above Grade: | 1) Two Story Prefab Main Production Building with Mezzanine Floor: 6.10 m or 20 ft, 2) Single Story Prefab Production Building with Mezzanine Floor: 3.05 m or 10 ft, 3) Single Story Prefab Dining and Prayer Shed: At grade, 4) Single Story RCC Dining and Lab room: At grade, 5) Single story RCC Boiler and pump room: At grade, 6) Single Story Prefab Generator Shed: At grade, 7) Single story RCC Guard Room: At grade, 8) Single story RCC Sub Station Building: At grade, 9) Single Story Prefab RMS Shed: At grade.                                                                                                                                                                                                                                                                                                                                                                                                |

Factory Name: **Cortz Apparels Ltd**

Address: **Baniarchala Bager Bazar, Gazipur Gazipur Dhaka Bangladesh**

Assessor: **Bureau Veritas**

Date: **11 May 2014**



**ALLIANCE**  
FOR BANGLADESH WORKER SAFETY



## ASSESSMENT FINDINGS

### Fire Protection Construction

|                           |                                                                                                                                                                                                                                        |                                                                                       |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Question:                 | Are openings and penetrations through rated walls and/or assemblies protected?                                                                                                                                                         |    |
| Priority Level:           | High                                                                                                                                                                                                                                   |                                                                                       |
| Non-Compliance Level:     | 3                                                                                                                                                                                                                                      |                                                                                       |
| Description:              | Wall penetrations are not protected with firestop systems. In the main production shed-1 and 2, doors at the required fire rated separations are non-rated. Doors at the exit enclosure of production shed-1 were non-rated.           |                                                                                       |
| Source of Findings:       | Visual Assessment: Doors at exit enclosure and along the separation wall are non-rated.                                                                                                                                                |                                                                                       |
| Suggested Plan of Action: | Provide required fire rated doors at the door openings. Install listed firestop systems at every penetration through fire rated walls and assemblies. Consult a qualified fire protection expert for design and/or approval of design. |                                                                                       |
| Suggested Deadline Date:  | 22 Sep 2014                                                                                                                                                                                                                            |                                                                                       |
| Standard:                 | Includes doors, windows, ducts, piping, etc. Reference Alliance Standards Part 4 Section 4.6 Opening Protectives and Section 4.7 Penetrations                                                                                          |  |
| Question:                 | Are exit enclosures provided with fire-resistive rated construction barriers?                                                                                                                                                          |                                                                                       |
| Priority Level:           | High                                                                                                                                                                                                                                   |                                                                                       |
| Non-Compliance Level:     | 3                                                                                                                                                                                                                                      |                                                                                       |
| Description:              | At main production building-1, no fire rated doors were found in the exit enclosures. However, the rest of the buildings are single storied building.                                                                                  |                                                                                       |
| Source of Findings:       | Visual Assessment: At main production building-1, no fire rated doors were found in the exit enclosure.                                                                                                                                |                                                                                       |
| Suggested Plan of Action: | Provide 1 hr fire rated doors at the exit enclosure.                                                                                                                                                                                   |                                                                                       |
| Suggested Deadline Date:  | 22 Sep 2014                                                                                                                                                                                                                            |                                                                                       |
| Standard:                 | Reference Alliance Standards Part 4 Section 4.5 Separation                                                                                                                                                                             |                                                                                       |

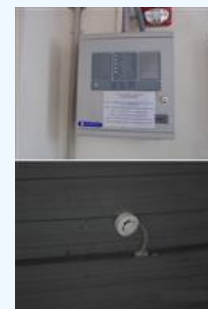


|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Question:                 | Are separations between hazards provided with fire-resistive rated construction barriers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Priority Level:           | Medium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Non-Compliance Level:     | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Description:              | Storage areas and hazardous areas are open to rest of building. No separation between spot removing rooms and production floor were available in main production building-1 and building-2. A RMS room is available with gas cylinder adjacent to the production building-2. At building-3, store was found without any separation from the dining facility. At building-4, there is a kitchen open to the dining facilities. On the ground floor of the main building-1, doctor's room and child care room is adjacent to the production floor they have no fire barrier. This barrier is only 8 ft high from the finished floor level which needs to extend vertically up to ceiling for proper fire proofed enclosure. The opening between the doctor's room and daycare room and production floor is not fire rated. |
| Source of Findings:       | Photograph: Spot removing room without no separation, Glass separation between RMS room & building-2 (Iron section), Store with dining and kitchen in building-4, Visual Assessment: Spot removing room, kitchen, RMS, dining facilities, production floor and store are found without proper fire separations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Suggested Plan of Action: | 1) Provide 1 hour fire separations with 45 minute fire resistant doors at the spot removing rooms; 2) Extend the fire barrier separating the child care and medical room vertically up to ceiling for a proper fire proofed enclosure. 3) Provide rated fire door at doctor's room and childcare room. 4) Provide fire-resistive rated construction barriers between hazards. Consult a qualified fire protection engineer to design the required rated construction barrier. Kitchen is not permitted with lab and dining together, so kitchen must be moved. Storage room with dining area needs 3 hr separation, otherwise move the storage room.                                                                                                                                                                     |
| Suggested Deadline Date:  | 15 Dec 2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Standard:                 | Reference Alliance Standards Part 4 Section 4.5 Separation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

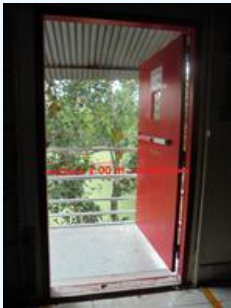


### Fire Protection Systems

|                       |                                                                                                                                                                                                                                                                                |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Question:             | Is the fire alarm and detection system monitored by a central station monitoring service or directly connected to the Fire Service and Civil Defense?                                                                                                                          |
| Priority Level:       | Medium                                                                                                                                                                                                                                                                         |
| Non-Compliance Level: | 1                                                                                                                                                                                                                                                                              |
| Description:          | Automatic fire alarm and detection system is available in the factory, but currently there is no central monitoring service available in Bangladesh. Fire service and civil defense department is not capable of monitoring fire alarm and detection systems of the factories. |
| Source of Findings:   | Photograph: Available centralized control panel., Visual Assessment: Control panel for the automatic fire detection and fire alarm system was found but not connected with any central station monitoring service as this facility is not available in Bangladesh.             |





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| Suggested Plan of Action: | Arrange for direct connection of the fire alarm system to a central monitoring station or Fire Service and Civil Defense as per Alliance Standard Part 5 Section 5.7.5 Monitoring. Until that time that monitoring can be set up, a person shall be assigned to contact the fire department in the event of fire alarm activation. An annunciator shall be located in a constantly attended location (such as a fire control room) to alert this person. |                                                                                       |
| Suggested Deadline Date:  | 28 Jul 2014                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                       |
| Standard:                 | Alliance Standard Part 5 Section 5.7.5 Monitoring                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                       |
| Means of Egress           |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                       |
| Question:                 | Doors are not locked in the direction of egress under any conditions. All hasps, locks, slide bolts, and other locking devices have been removed where required.                                                                                                                                                                                                                                                                                         |    |
| Priority Level:           | High                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                       |
| Non-Compliance Level:     | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                       |
| Description:              | All the doors along the means of egress of the assessed buildings were found with locking provisions.                                                                                                                                                                                                                                                                                                                                                    |                                                                                       |
| Source of Findings:       | Visual Assessment: All the doors along the means of egress of the assessed buildings were found with locking provisions.                                                                                                                                                                                                                                                                                                                                 |                                                                                       |
| Suggested Plan of Action: | Provide non-lockable, side-hinged, outward-swinging emergency exit doors along the means of egress.                                                                                                                                                                                                                                                                                                                                                      |                                                                                       |
| Suggested Deadline Date:  | 15 Jul 2014                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Standard:                 | Alliance Standards Part 6 Section 6.8 Doors and Gates                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                       |
| Question:                 | Doors along the path of egress have a minimum width of 0.8 m (32 in) and have required ratings.                                                                                                                                                                                                                                                                                                                                                          |                                                                                       |
| Priority Level:           | High                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                       |
| Non-Compliance Level:     | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                       |
| Description:              | Minimum width of exit door is 1.00 m at 1st floor which is greater than the requirement of 0.8 m (32 in). All the doors at the exit enclosures of the two story main building were found non-rated. The other doors along the required fire rated separations were also found non-rated and without the mechanism of fire door.                                                                                                                          |                                                                                       |
| Source of Findings:       | Visual Assessment: Doors are with adequate widths but no door at required rated assembly was found fire rated.                                                                                                                                                                                                                                                                                                                                           |                                                                                       |
| Suggested Plan of Action: | At all the non-rated shed the doors along the means of egress should have the mechanism of fire door except but at exit enclosures doors must be fire rated. The rating of the fire doors through the required rated assembly should be as:<br>1) 2 hr fire barriers protected with 1.5 hr fire protective opening assemblies (2)                                                                                                                        |                                                                                       |



|                           |                                                                                                                                                                                                                                                                                                                                          |                                                                                       |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                           | 1 hr fire barriers protected with ¾ hr fire protective opening assemblies (3) 1 hr exit enclosures and vertical shafts protected with 1 hr fire protective opening assemblies.                                                                                                                                                           |                                                                                       |
| Suggested Deadline Date:  | 22 Sep 2014                                                                                                                                                                                                                                                                                                                              |                                                                                       |
| Standard:                 | Alliance Standard Part 6 Section 6.5.6 Minimum Widths. Increased occupant loads will require a door width greater than 0.8 m.                                                                                                                                                                                                            |                                                                                       |
| Question:                 | Exterior exit stairs are separated from the building with the required rating. The rating of the exterior wall shall extend 3.05 m (10 ft) beyond the ends of the stair structure.                                                                                                                                                       |    |
| Priority Level:           | High                                                                                                                                                                                                                                                                                                                                     |                                                                                       |
| Non-Compliance Level:     | 3                                                                                                                                                                                                                                                                                                                                        |                                                                                       |
| Description:              | The external steel stair adjacent to the building-1 were found exposed to the openings of the production floor.                                                                                                                                                                                                                          |                                                                                       |
| Source of Findings:       | Visual Assessment: Exterior exit stair is not fire separated from the main building. Windows of ground floor were open to exterior stair.                                                                                                                                                                                                |                                                                                       |
| Suggested Plan of Action: | Provide a fire-resistive rated assembly between the exterior exit stairs and the building to achieve the required separation. The rated assembly should be approved and/or designed by a qualified fire protection engineer.                                                                                                             |                                                                                       |
| Suggested Deadline Date:  | 23 Sep 2014                                                                                                                                                                                                                                                                                                                              |                                                                                       |
| Standard:                 | Alliance Standard Part 6 Section 6.3.1.2. Three stories or less 1-hr rating. Four stories of more 2-hr rating                                                                                                                                                                                                                            |                                                                                       |
| Question:                 | Travel distance to reach an exit does not exceed the maximum distance allowed by Occupancy Type.                                                                                                                                                                                                                                         |  |
| Priority Level:           | High                                                                                                                                                                                                                                                                                                                                     |                                                                                       |
| Non-Compliance Level:     | 2                                                                                                                                                                                                                                                                                                                                        |                                                                                       |
| Description:              | Travel distance is over 200 feet due to lack of cross aisles.                                                                                                                                                                                                                                                                            |                                                                                       |
| Source of Findings:       | Photograph: there are limited cross aisles                                                                                                                                                                                                                                                                                               |                                                                                       |
| Suggested Plan of Action: | While the production areas afford reasonable width for egress, there are limited cross aisles. Cross aisles are necessary to allow occupants additional paths to reach exits in an emergency. Floor layouts should be redesigned to limit the exit travel distance from any point in a building to the outside to no more than 150 feet. |                                                                                       |
| Suggested Deadline Date:  | 31 Dec 2014                                                                                                                                                                                                                                                                                                                              |                                                                                       |
| Standard:                 | Alliance Standard Part 6 Section 13 Travel Distance and BNBC Part 4 Section 3.15.1                                                                                                                                                                                                                                                       |                                                                                       |



|                           |                                                                                                                                                                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Question:                 | Means of egress are free from impediments, obstructions, and stored materials.                                                                                                                                                                 |
| Priority Level:           | High                                                                                                                                                                                                                                           |
| Non-Compliance Level:     | 2                                                                                                                                                                                                                                              |
| Description:              | The facility has firefighting equipment stored at each exit stair landing. The equipment includes a fire extinguisher, fire hose reel, lock cutters, sand barrel, shovel, and fire "beaters". The egress alley was cluttered with some debris. |
| Source of Findings:       | Photograph: The egress alley was cluttered with some debris.                                                                                                                                                                                   |
| Suggested Plan of Action: | Permanently remove all stored material out of the stairs and position firefighting equipment so that it does not create an obstruction.                                                                                                        |
| Suggested Deadline Date:  | 31 Dec 2014                                                                                                                                                                                                                                    |
| Standard:                 | Alliance Standard Part 6 Section 6.3.8 Impediments to means of egress and Section 6.3.9 Reliability                                                                                                                                            |
| Question:                 | Stairwells are not utilized as storage spaces.                                                                                                                                                                                                 |
| Priority Level:           | High                                                                                                                                                                                                                                           |
| Non-Compliance Level:     | 2                                                                                                                                                                                                                                              |
| Description:              | Electrical distribution panels are located on the wall in the stairs.                                                                                                                                                                          |
| Source of Findings:       | Visual Assessment: Electrical panels in stairs                                                                                                                                                                                                 |
| Suggested Plan of Action: | Remove all electrical equipment and other foreign equipment from the stairs.                                                                                                                                                                   |
| Suggested Deadline Date:  | 31 Dec 2014                                                                                                                                                                                                                                    |
| Standard:                 | Alliance Standard Part 13 Section 13.9 Safety Inspections                                                                                                                                                                                      |
| Question:                 | All doors in a means of egress are of the side-hinged swinging type.                                                                                                                                                                           |
| Priority Level:           | High                                                                                                                                                                                                                                           |
| Non-Compliance Level:     | 1                                                                                                                                                                                                                                              |
| Description:              | Exit door located south side of main building has the combination of collapsible type and swing type glass door. Doors other than this one in means of egress are of the side-hinged swinging type.                                            |
| Source of Findings:       | Visual Assessment: Exit door was found with (south side of main building) the combination of collapsible type and swing type glass door.                                                                                                       |
| Suggested Plan of Action: | All doors in a means of egress shall be of the side-hinged swinging type. Roll-down and sliding gates and shutters shall not be allowed.                                                                                                       |





|                           |                                                                                                                                                                                                                                                                                                                      |  |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Suggested Deadline Date:  | 15 Sep 2014                                                                                                                                                                                                                                                                                                          |  |
| Standard:                 | Alliance Standards Part 6 Section 6.8 Doors and Gates                                                                                                                                                                                                                                                                |  |
| Question:                 | Occupant loads are posted for every assembly and production floor in a conspicuous space near the main point of egress.                                                                                                                                                                                              |  |
| Priority Level:           | Medium                                                                                                                                                                                                                                                                                                               |  |
| Non-Compliance Level:     | 3                                                                                                                                                                                                                                                                                                                    |  |
| Description:              | Occupant loads were not found in any assembly and production floor.                                                                                                                                                                                                                                                  |  |
| Source of Findings:       | Visual Assessment: Occupant loads are not posted in any assembly and production floor.                                                                                                                                                                                                                               |  |
| Suggested Plan of Action: | Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space.                                                                                                                                                         |  |
| Suggested Deadline Date:  | 28 Jul 2014                                                                                                                                                                                                                                                                                                          |  |
| Standard:                 | Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load                                                                                                                                                                                                                                                     |  |
| Question:                 | Emergency power for exit signs is tested at least once per year. If battery operated, these lights are tested on a monthly basis. Functional testing of battery powered signs is provided for a minimum 90 min once per year.                                                                                        |  |
| Priority Level:           | Medium                                                                                                                                                                                                                                                                                                               |  |
| Non-Compliance Level:     | 3                                                                                                                                                                                                                                                                                                                    |  |
| Description:              | No plan or records of conducting periodic tests of the emergency battery backup for illuminated exit signs were available.                                                                                                                                                                                           |  |
| Source of Findings:       | Document Review: No document regarding testing of emergency power for exit signs was found among the documents shown by the factory personnel.                                                                                                                                                                       |  |
| Suggested Plan of Action: | Develop a testing and maintenance program that ensures the emergency power for exit signs is tested at least once per year. If battery operated signs are used, these lights should be tested on a monthly basis. Functional testing of battery powered signs is provided for a minimum of 90 minutes once per year. |  |
| Suggested Deadline Date:  | 28 Jul 2014                                                                                                                                                                                                                                                                                                          |  |
| Standard:                 | Alliance Standard Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape.                                                                                                                                                                                                                              |  |



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| Question:                 | Illuminated exit signs are placed at entrances to exits and along the path of egress anywhere the continuation of egress is not obvious or there is a change in the direction of the path of travel.                          |  |
| Priority Level:           | Medium                                                                                                                                                                                                                        |  |
| Non-Compliance Level:     | 2                                                                                                                                                                                                                             |  |
| Description:              | Illuminated exit signs are placed at the entrances to exits but not along the path of egress where there is a change in the direction of the path of travel.                                                                  |  |
| Source of Findings:       | Visual Assessment: Illuminated exit signs are placed at the entrances to exits but not along the path of egress where there is a change in the direction of the path of travel.                                               |  |
| Suggested Plan of Action: | Install illuminated exit signs at entrances to exits and along the path of egress anywhere the continuation of egress is not obvious or there is a change in the direction of the path of travel.                             |  |
| Suggested Deadline Date:  | 08 Dec 2014                                                                                                                                                                                                                   |  |
| Standard:                 | Alliance Standard Part 6 Section 6.11 Exit Signs                                                                                                                                                                              |  |
| Question:                 | Handrails are provided on both sides of each stairway. Intermediate handrails are provided when the stair width exceeds 2.2 m (87 in.). Handrails are not mounted lower than 760 mm (30 in.) or higher than 1100 mm (44 in.). |  |
| Priority Level:           | Medium                                                                                                                                                                                                                        |  |
| Non-Compliance Level:     | 2                                                                                                                                                                                                                             |  |
| Description:              | Handrails are not provided on both sides of each stairway of main building.                                                                                                                                                   |  |
| Source of Findings:       | Photograph: North and south side stair of main building do not have handrails on both sides.                                                                                                                                  |  |
| Suggested Plan of Action: | Provide handrails on both side of each stairway. Provide intermediate handrail when the stair width exceeds 2.2m (87 inch). Provide handrail of height between the range of 865 mm (34 in.) and 965 mm (38 in.).              |  |
| Suggested Deadline Date:  | 08 Dec 2014                                                                                                                                                                                                                   |  |
| Standard:                 | Alliance Standard Part 6 Section 6.9 Stairs and 6.12 Handrails and Guards                                                                                                                                                     |  |
| Question:                 | Changes in elevation of walking surfaces do not exceed 6.35 mm (1/4 in) unless provided with a beveled slope of 1 in 2 that does not exceed 12.7 mm (1/2 in).                                                                 |  |
| Priority Level:           | Medium                                                                                                                                                                                                                        |  |
| Non-Compliance Level:     | 1                                                                                                                                                                                                                             |  |
| Description:              | Change of elevation (2.5 inches) was found at north side exit door on 1st floor of the main building -1.                                                                                                                      |  |



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| Source of Findings:       | Visual Assessment: Change of elevation (2.5 inches) was found at the exit door on 1st floor of the main building-1.                                                                                              |  |
| Suggested Plan of Action: | Repave the walking surface to make the slope less than or equal to 1 in 2. Try to keep walking surface mostly level.                                                                                             |  |
| Suggested Deadline Date:  | 16 Dec 2014                                                                                                                                                                                                      |  |
| Standard:                 | Alliance Standard Part 6 Section 6.3.4 Walking Surfaces                                                                                                                                                          |  |
| Question:                 | Stair designation signs are provided at each floor entrance from the stair to the floor in English and Bengali. Signs indicate the name of the stair and the floor level. Signs are posted adjacent to the door. |  |
| Priority Level:           | Low                                                                                                                                                                                                              |  |
| Non-Compliance Level:     | 2                                                                                                                                                                                                                |  |
| Description:              | Floor level posted but stair name or designation is not posted.                                                                                                                                                  |  |
| Source of Findings:       | Visual Assessment: No stair designation sign was found.                                                                                                                                                          |  |
| Suggested Plan of Action: | Install signage adjacent to each stair door indicating the stair name and the floor level at the noted locations.                                                                                                |  |
| Suggested Deadline Date:  | 21 Jul 2014                                                                                                                                                                                                      |  |
| Standard:                 | Alliance Standard Part 6 Section 6.9 Stairs                                                                                                                                                                      |  |
| Fire Safety Programs      |                                                                                                                                                                                                                  |  |
| Question:                 | Training programs are implemented and documented in accordance with the Alliance Safety Training Curriculum.                                                                                                     |  |
| Priority Level:           | Medium                                                                                                                                                                                                           |  |
| Non-Compliance Level:     | 3                                                                                                                                                                                                                |  |
| Description:              | No document of any training program in accordance with the Alliance Safety Training Curriculum was found.                                                                                                        |  |
| Source of Findings:       | Document Review: No record of training program was available on fire safety.                                                                                                                                     |  |
| Suggested Plan of Action: | Impart training in accordance with Alliance Safety Training Curriculum and keep record with proper documentation.                                                                                                |  |
| Suggested Deadline Date:  | 06 Aug 2014                                                                                                                                                                                                      |  |
| Standard:                 | Alliance Standards Part 13                                                                                                                                                                                       |  |



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| Question:                 | Storage areas underneath the cutting tables are clear of combustibles.                                                                                                                   |
| Priority Level:           | Medium                                                                                                                                                                                   |
| Non-Compliance Level:     | 2                                                                                                                                                                                        |
| Description:              | Fabrics were stored underneath the cutting tables at cutting section.                                                                                                                    |
| Source of Findings:       | Visual Assessment: Fabrics were stored underneath the cutting table.                                                                                                                     |
| Suggested Plan of Action: | Remove all combustibles stored underneath the cutting tables at the noted locations.                                                                                                     |
| Suggested Deadline Date:  | 14 Jul 2014                                                                                                                                                                              |
| Standard:                 | Alliance Standard Part 17 Section 13.7.2 Cutting tables.                                                                                                                                 |
| Question:                 | Fire Drills are conducted at required intervals based on building use type.                                                                                                              |
| Priority Level:           | Medium                                                                                                                                                                                   |
| Non-Compliance Level:     | 1                                                                                                                                                                                        |
| Description:              | Fire drills are conducted at required intervals based on building use type. However, the fire drill is not conducted under supervision of any dedicated fire safety director.            |
| Source of Findings:       | Document Review: Fire Drills are conducted at required intervals.                                                                                                                        |
| Suggested Plan of Action: | Conduct fire drills on a quarterly basis as outlined in BNBC Part 4 Appendix A for all garment facilities. Fire drills shall be conducted under the direction of a Fire Safety Director. |
| Suggested Deadline Date:  | 28 Jul 2014                                                                                                                                                                              |
| Standard:                 | Alliance Standards Part 13 Section 13.3 Fire Drills                                                                                                                                      |
| Question:                 | Fire Department pre-planning has been completed.                                                                                                                                         |
| Priority Level:           | Low                                                                                                                                                                                      |
| Non-Compliance Level:     | 3                                                                                                                                                                                        |
| Description:              | Fire department pre-planning was not found.                                                                                                                                              |
| Source of Findings:       | Document Review: No document regarding fire department pre-planning has been found among the documents shown by factory personnel.                                                       |
| Suggested Plan of Action: | Complete fire department pre-planning activities with the local Fire Service and Civil Defense.                                                                                          |
| Suggested Deadline Date:  | 07 Aug 2014                                                                                                                                                                              |





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| Standard:                 | Alliance Standards Part 13 Section 13.1 Fire Safety Director                                                                                                                                                                                                                                                                                                  |  |
| Question:                 | Are all applicable permits up to date including Fire License & Boiler License.                                                                                                                                                                                                                                                                                |  |
| Priority Level:           | Low                                                                                                                                                                                                                                                                                                                                                           |  |
| Non-Compliance Level:     | 3                                                                                                                                                                                                                                                                                                                                                             |  |
| Description:              | All applicable permits are up-to-date including Fire License & Boiler License. Total capacity of generator was found to be 680 KVA, but BERC waiver certificate for power generator was not available.                                                                                                                                                        |  |
| Source of Findings:       | Document Review: No BERC waiver certificate was available.                                                                                                                                                                                                                                                                                                    |  |
| Suggested Plan of Action: | Apply to BERC for 680 KVA power generation waiver certificate.                                                                                                                                                                                                                                                                                                |  |
| Suggested Deadline Date:  | 28 Jul 2014                                                                                                                                                                                                                                                                                                                                                   |  |
| Standard:                 | Alliance Standard Part 13 Human Element Programs                                                                                                                                                                                                                                                                                                              |  |
| Question:                 | A hot-work permit program has been established.                                                                                                                                                                                                                                                                                                               |  |
| Priority Level:           | Low                                                                                                                                                                                                                                                                                                                                                           |  |
| Non-Compliance Level:     | 2                                                                                                                                                                                                                                                                                                                                                             |  |
| Description:              | A hot-work permit program has not been established, although it is required.                                                                                                                                                                                                                                                                                  |  |
| Source of Findings:       | Document Review: No relevant document regarding hot-work permit was found.                                                                                                                                                                                                                                                                                    |  |
| Suggested Plan of Action: | Develop a hot work permit program. The program must comply with the requirements of NFPA 51B. In general, this program should address process of request and approval authorities, necessary checks prior approval, standby fire watch and fire fighting equipment, sounding of alarm procedure, duration and expiry of permit and re-approval procedure etc. |  |
| Suggested Deadline Date:  | 09 Dec 2014                                                                                                                                                                                                                                                                                                                                                   |  |
| Standard:                 | Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B                                                                                                                                                                                                                                                                                          |  |
| Question:                 | A Fire Safety Director position has been filled.                                                                                                                                                                                                                                                                                                              |  |
| Priority Level:           | Low                                                                                                                                                                                                                                                                                                                                                           |  |
| Non-Compliance Level:     | 1                                                                                                                                                                                                                                                                                                                                                             |  |
| Description:              | No viable documentation or physical presence of a Fire Safety Director was found. However, factory has shown a document that states the additional responsibilities of a Fire Safety Director are assigned to the Deputy Manager (Admin & Compliance).                                                                                                        |  |
| Source of Findings:       | Document Review: A document was found where additional responsibilities of                                                                                                                                                                                                                                                                                    |  |





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|                           | a Fire Safety Director are assigned to the Deputy Manager.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| Suggested Plan of Action: | Create a Fire Safety Director position and fill the position with an individual that has had sufficient training to be able to carry the required duties. The duties of the Fire Safety Director shall include the following: (1) Establish internal and external rally points and communicate to all employees in the building. (2) Fire department pre-planning. (3) Conduct safety inspections as outlined in Alliance standard 13.9. (4) Ensure all testing of fire protection equipment is conducted in accordance with Alliance standard 13.10. |  |
| Suggested Deadline Date:  | 15 Dec 2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| Standard:                 | Alliance Standards Part 13 Section 13.1 Fire Safety Director                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Question:                 | Smoking is only allowed at designated areas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Priority Level:           | Low                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Non-Compliance Level:     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Description:              | Smoking is prohibited as per verbal information of factory personnel, but signs are not posted in Bengali and English at all building entrances. No designated smoking area is created outside the buildings.                                                                                                                                                                                                                                                                                                                                         |  |
| Source of Findings:       | Visual Assessment: During site tour no designated area for smoking was noticed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| Suggested Plan of Action: | Smoking shall be prohibited in any garment factory building, separate storage building, or any building or area of the factory premises. If an owner creates a designated smoking area outside the buildings, information on the location of these designated areas shall be posted on the signs required in 13.5.2                                                                                                                                                                                                                                   |  |
| Suggested Deadline Date:  | 15 Jul 2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| Standard:                 | Alliance Standards Part 13 Section 13.5 Smoking                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |