3.3 Training material: Training for safety and electric power facilities (6/12-17)

Safety Management



Japan International Consultants for Transportation Co., Ltd. Nobuyuki MATSUO

14/6/2016

1. Roles of Site Administrators

(1) Understand the workplace environment and culture The behavior of the employees working on the front lines depends in large part on the environment.

On the other hand, the managers of the site are deeply connected to the workplace environment and the corporate culture. Therefore, besides duly performing their professional duties on the front lines, site managers must work toward improving the workplace environment and culture so that each and every employee can work with motivation and enthusiasm.



(3) Raise awareness about work safety



In order for each employee to duly carry out his/her work in a responsible manner and to increase safety, it is important to raise awareness about motivation toward work safety. Motivating employees is an important job of managers. This is way managers need to know how to effectively provide guidance and how to raise the awareness of each and every person. In other words, managers need not only knowledge about how to manage each and every employee, but also knowledge about how to create a workplace and an environment where employees proactively promote safety.

(1) Clothing

Before starting work, carry out an inspection of clothing, etc

(1) If the use of personal protective equipment is mandatory, be sure to wear the prescribed personal protective equipment.

- Protective headgear (helmet)
- Protective eyewear
- Protective mask
- Protective gloves Protective footwear
- Insulating protective equipment (gloves, shoes, etc.)



2 Regarding items such as work shoes, wear the prescribed items.

Contents of Safety Management

- 1. Roles of Site Administrators
- 2. Safety Work
- 3. Example in Japan (JR East Group Safety Plan 2018)
- 4. Construction closed to commercial line
- 5. Safety countermeasure at Level Crossing

(2) Creating a good workplace atmosphere

If the workplace is fun and lively, the atmosphere will be one where employees feel free to speak out. For example, even if a near accident occurs, it will immediately be discussed, making it likely that similar cases come out in the discussion.

In this way, a workplace culture in which safety can be spontaneously talked together about as part of everyday work and people can inform and enlighten one another needs to be put in place.



Safety Work 2.

Main Point

The first thing for safety work is to protect oneself. We must learn some established rules.

Basics of safety work

When performing work, the first thing is to protect yourself. Most injury accidents (industrial accidents) are caused by unsafe behavior such as skipping or failing to follow established work procedures. To keep yourself from getting injured, first learn the "Basics of Safety Work" and safely perform daily work accordingly. Here, we will introduce representative examples of the basics of safety work.



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(2) Proactively confirm safety through pointing and calling

Perform safety checks by using all your senses.

Through this, you will create time to think and ensure safe work.

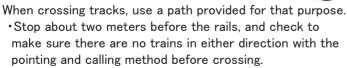
- Check the target item with your eyes
- •Point at the target item with your fingers.
- Say out loud "xx, OK!"
- •Listen with your ears.

After performing the safety check, saying "xx, OK!" in a loud voice, at each juncture of the work being done, proceed to the next operation. When performing pointing and calling, clearly call out in a loud voice.





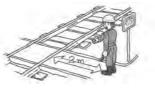
(3) Cautions regarding crossing tracks



• Stopping about two meters from the rails ensures that you are outside the clearance limit and won't come in contact with a moving vehicle, etc.

• If you want to cross several tracks at a location with poor visibility, use the pointing

and calling method to check for traffic in both direction each time you cross a track.



JIC

(JIC)

(4) Work in high places

When the height of the work floor (standing position) exceeds

2 meters when work is performed, the "work in high places" specifications of the occupational health and safety regulations apply in Japan. (The same applies when the opening is more than 2 meters above the work floor) In that case, observe the following.

- If no enclosure, handrails, or housing is provided, wear a safety belt (for unifilar suspension).
- When the height exceeds 2 meters, provide a scaffold or the like o serve as the work floor.
- If providing a work floor is difficult, wear a safety belt.

• When using a ladder or the likes, assign a person to secure the ladder.

Be careful not to drop tools or equipment.

·Lower-down workers must not work directly under you.



Pointing and Calling.MTS



Safety Regulations

 \sim Standard Specifications for the Safety of Construction on Tracks in Service \sim Guide for the Prevention of Collision with Vehicles \sim

Contents

[Standard Specifications for the Safety of Construction on Tracks in Service]

- Why do we need Safety Regulations?
- Meaning of the Standard Specifications for the Safety of Construction on Tracks in Service
- Content of the Standard Specifications for the Safety of Construction on Tracks in Service

[Guide for the Prevention of Collision with Vehicles]

- About the accident which prompted the establishment of the regulations
- Scope of application for the Guide to the Prevention of Collision with Vehicles
- Order of Priority in the Operational Safety System

Why do we need Safety Regulations?

(1) Train derailment



Why do we need Safety Regulations?

(3) Collapse of a crane operating in front of a station



Review

(1) Safety and Stability

Safety means protecting <u>people's lives</u>. Stability means supporting proper <u>train</u> operations

(2) Three Safety Acts

In the event of accident, <u>first report it.</u>

After confirming safety, <u>cancel line closure</u>

If any risk of danger is present, stop train operations.

"Safety" is the company's top priority.

[Standard Specifications for the Safety of Construction on Tracks in Service]

Why do we need Safety Regulations?

(2) Crane collapse



Why do we need Safety Regulations?

(4) Collapse of protective fencing



Why do we need Safety Regulations?

(5) Collapse of protective netting for tracks



Why do we need Safety Regulations?

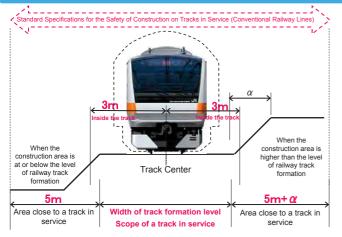
To perform construction while ensuring safe and secure transportation

Unique to railway construction ~Construction in areas close to tracks in service~

• Example (2) Areas related to the safety and security of train service (Transformer substations, etc.)



Scope of Application for the Standard Specifications for the Safety of Construction on Tracks in Service



Why do we need Safety Regulations?

(6) A crane collapsed and came into contact with power lines.



- Unique to railway construction ~Construction in areas close to tracks in service~
- Example (1) Work inside the railway track formation level



Unique to railway construction ~Construction in areas close to tracks in service~

• Example (3) Areas requiring measures for passenger safety (Inside ticket gates, etc.)



Track Closure \sim Track Closure Procedures for Construction \sim

Procedures to prevent the entry of trains and vehicles into the area of construction

Activate the stop signal for the area.

Why is it necessary to close the track?

For the safe and stable operation of trains (Separation of train operations and construction)

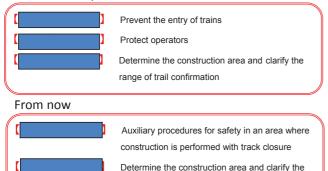
To initiate the operational safety system

Even when construction is taking place, trains move forward if the signal is green.



Measures Initiated with Track Closure

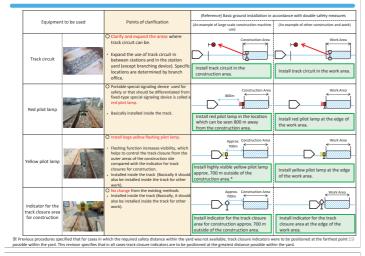
Conventionally



range of trail confirmation

*Double safety measures are the integration of "Train Protection Measures" and "Auxiliary Safety Measures."

Double Safety Measures ~Equipment to be used / Installation Methods~



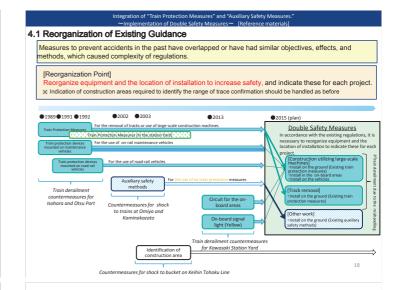
Yamanote Freight Line - Vehicle accident involving operators between Osaki and Ebisu

<occurrence></occurrence>	February 21, 1999 0:14 AM
<location></location>	About 3,620 m between Osaki and Ebisu on
	Yamanote Freight Line
<influence></influence>	15 trains cancelled, 15 trains delayed (249-1 min)
<casualties></casualties>	5 operator fatalities.

Yamanote Freight Line - Vehicle accident involving operators between Osaki and Ebisu

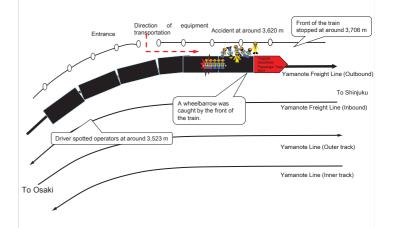
Causes of the accident

- (1) The construction supervisor was late, and gave directions to operators without checking the state of train operation.
- (2) The construction supervisor made a mistake and provided the time table for the previous day to a track safety guard for the work area.
- (3) The construction supervisor did not indicate a specific location for the track safety guard to stand.
- (4) The track safety guard for the work area was not performing his job properly.
 (The guard was standing at the head of the operators, turning his back to the track, and walking.)



[Guide for the Prevention of Collision with Vehicles]

Yamanote Freight Line - Vehicle accident involving operators between Osaki and Ebisu



Guide for the Prevention of Collision with Vehicles

Objective

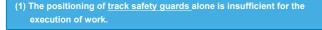
• The safety of workers and equipment should be ensured by the deployment of track safety guards and the separation of train and work operations on the railway track through track closure and safety equipment.

Order of Priority in the Operational Safety System

The items listed below indicate the order of priority in the operational safety system required to execute work plans within the clearance limit.

- The positioning of track safety guards alone is insufficient for the execution of work.
- (2) In principle, each project should be planned in accordance with
- the track closure procedures for construction, etc.
- (3) In the event that the track closure procedures cannot be implemented, track circuit or portable special signaling device is required.
- (4) In the event that (2) and (3) are not possible, TC-type wireless or regular train approach warning devices, or crossing alarms are required.

Order of Priority in the Operational Safety System





Terminology

Terminology

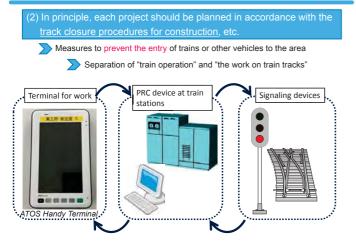
©"Distance for checking train approach" and "Safety evacuation area"

is the distance between the work site and the point of train approach required for operators to evacuate from the time they receive the sign of train approach until the time they check obstacles, evacuate, and give the sign indicating evacuation has been completed.

is the distance between the work site and the point of train approach required to ensure sufficient time to evacuate after receiving the emergency sign of train approach.

Maximum Train Speed in the Section	Distance for Checking Train Approach	Distance Required for Evacuation
More than 120 km/h	1,200 m or more	400 m or more
More than 95 km/h and up to 120 km/h	1,000 m or more	350 m or more
More than 70 km/h and up to 95 km/h	800 m or more	300 m or more
70 km/h or less	600 m or more	250 m or more

Order of Priority in the Operational Safety System



Railway Construction Safety System

• What is the track safety guard?

Track safety guard

[Responsibilities]

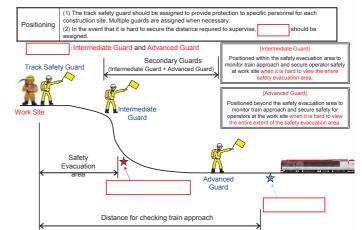


Supervise train approach and passage at the predetermined location.
Signal train passage to give warning to construction supervisor and operators.

•Confirm "Evacuation Complete" provided by the construction supervisor, etc.

Track safety guard is allowed to perform guard duty only.

Positioning of the Track Safety Guard



Order of Priority in the Operational Safety System

Stipulating the order of priority in the operational safety system to execute work plans rithin the clearance limit.

(1) The positioning of track safety guards alone is insufficient for the execution of work.

(2) In principle, each project should be planned in accordance with the

track closure procedures for construction, etc.

(3) In the event that the track closure procedures cannot be implemented, track circuit or portable special signaling device is required.

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Order of Priority in the Operational Safety System

(2) In principle, each project should be planned in accordance with the track closure procedures for construction, etc.

Work during track closure



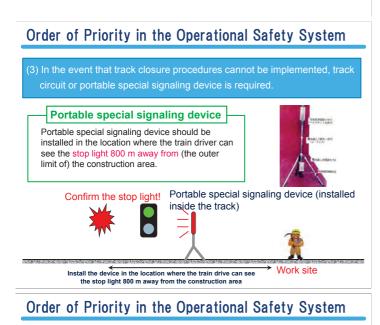


Article 5: Installation, replacement, or removal or banching devices Article 6: Construction or other work that temporarily interferes the construction limit %Track Closure Procedures for Construction (Regulations)

Order of Priority in the Operational Safety System

Stipulating the order of priority in the operational safety system to execute work plans within the clearance limit.

- (1) The positioning of track safety guards alone is insufficient for the execution of work.
- (2) In principle, each project should be planned in accordance with the track closure procedures for construction, etc.
- (3) In the event that the track closure procedures cannot be implemented, track circuit or portable special signaling device is required.
- (4) In the event that (2) and (3) are not possible, TC-type wireless or regular train approach warning devices, or crossing alarms are required.

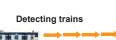


(4) In the event that (2) and (3) are not possible, TC-type wireless or regular train approach warning devices, or crossing alarms are required. TC-type wireless train approach warning device On receipt of train approach warning, all personnel evacuate immediately. In the event train approach warning and the alarm system do not function, all personnel evacuate immediately. Outbound train is coming! Transmitting Transmitting Transmitting Transmitting



(4) In the event that (2) and (3) are not possible, TC-type wireless or regular train approach warning devices, or crossing alarms are required.





Order of Priority in the Operational Safety System

b) In the event that track closure procedures cannot be implemented, track circuit or portable special signaling device is required.





Order of Priority in the Operational Safety System

Stipulating the order of priority in the operational safety system to execute work plans within the clearance limit.

- The positioning of track safety guards alone is insufficient for the execution of work.
- (2) In principle, each project should be planned in accordance with the track closure procedures for construction, etc.

(3) In the event that the track closure procedures cannot be implemented, track circuit or portable special signaling device is required.

(4) In the event that (2) and (3) are not possible, TC-type wireless or regular train approach warning devices, or crossing alarms are required.

Order of Priority in the Operational Safety System

(4) In the event that (2) and (3) are not possible, TC-type wireless or regular train approach warning devices, or crossing alarms are required.

Train approach warning device

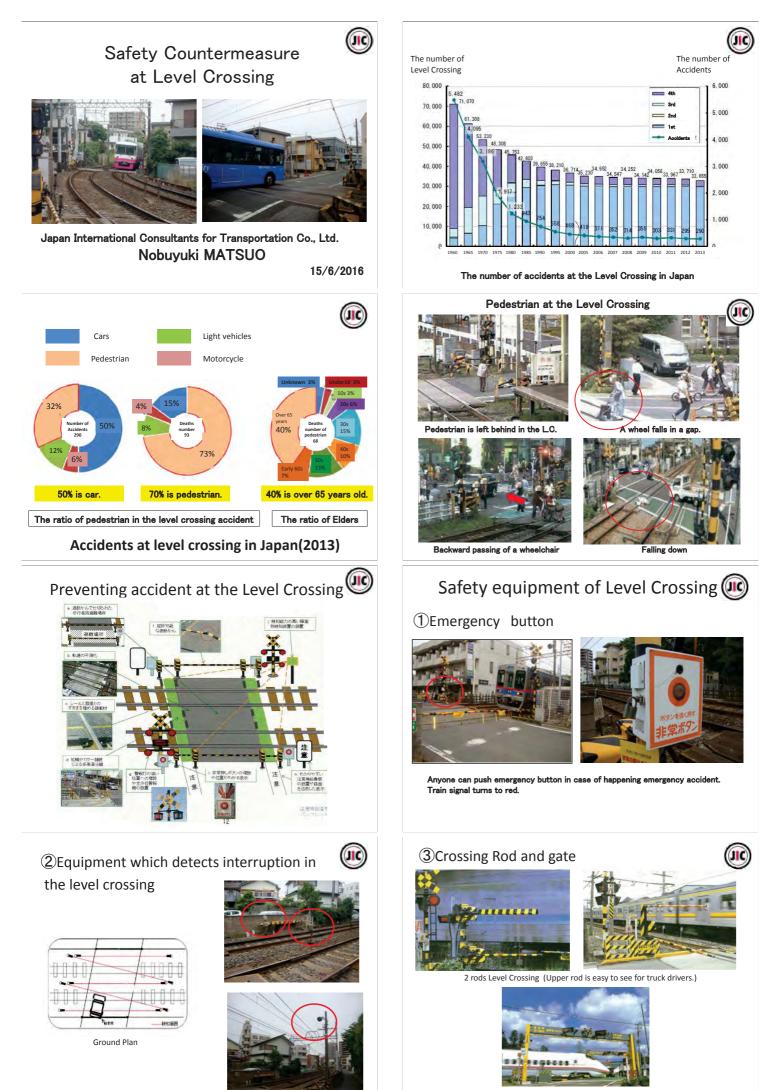
 The train approach warning device receives the train approach information from the signaling apparatus (signal circuit) and axle detector (rail switch), indicates the warning with a signal light, and sounds an electronic siren.



It is usually on, and it flashes on and off when a train is approching.

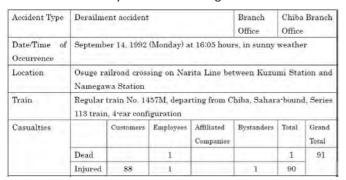






Gate style level crossing

Derailment and Overturning Caused by Railroad Crossing Accidents



Countermeasures



(JIC)

An in-house Comprehensive Railroad Crossing Accident Prevention Measures Project Team was established to carry out a detailed review of accident prevention regarding railroad crossings, which are the interface between the railway and the road, including aspects such as self-reliance initiatives to be promoted by railway operators, and collaboration with the various organizations concerned.

Approach case at Myanma Railways

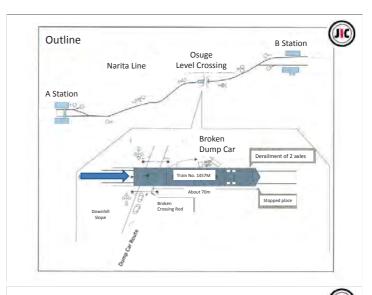




Safety Lecture about level crossing at elementary school in Yangon

Distributing leaflet at Kyan Sit Than level crossing





1. Initiatives for compliance with automobile traffic regulations

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Implementation of railroad crossing accident prevention campaigns through the mass media, including TV, radio, and newspapers.

2. Demands toward government agencies and the various organizations concerned

Request the police, public carriers, and other organizations concerned to work toward preventing railroad crossing accidents.

3. Improvement of vehicles and development of new technologies to minimize damage to trains

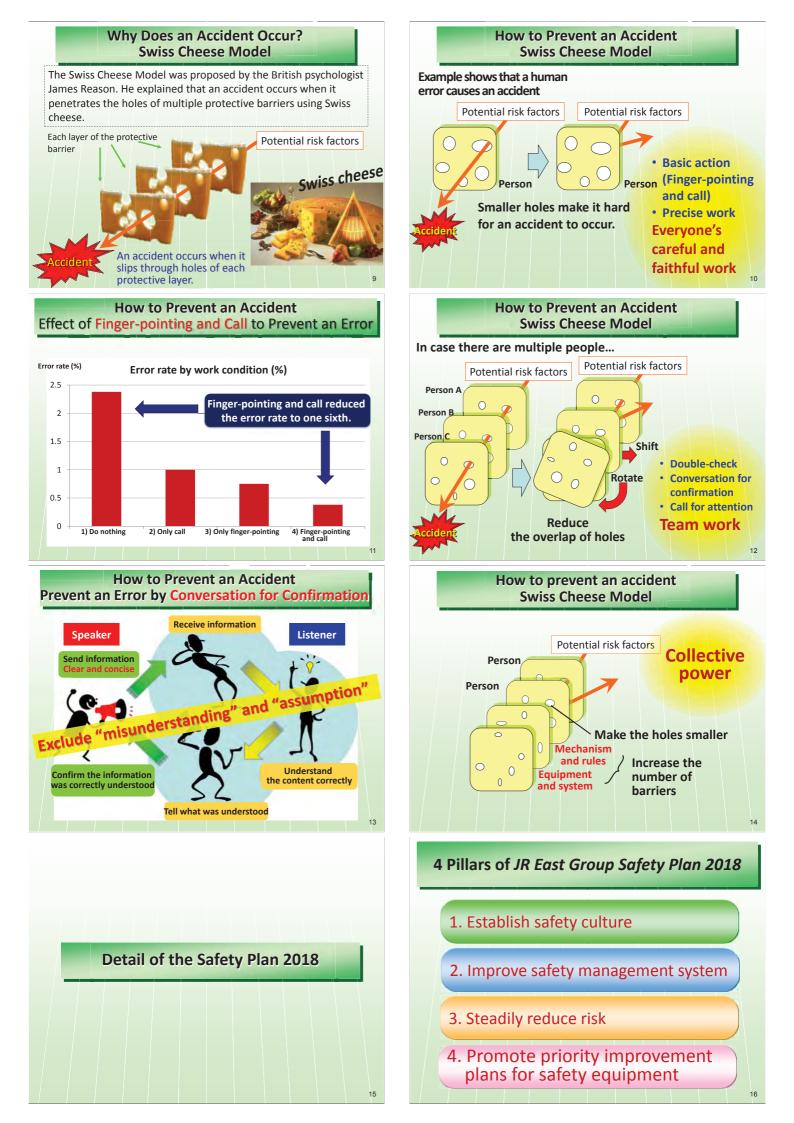
Carry out improvements such as strengthening the front of carriages, expanding the driver's cab, and providing the driver's cab with a driver rescue opening.



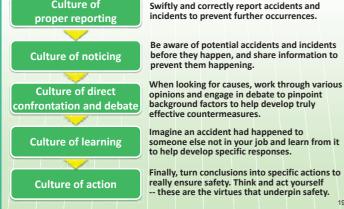
- 4. Deploy rescue equipment at main sites.
- 5. Install obstacle detection devices and promote the class upgrading of railway crossings.
- 6. Installation of additional ITV equipment and improvement of its accuracy
- 7. Improve visibility at railroad crossings.

Alarm devices, fluorescent paint on circuit breakers Setting of level crossing signals in overhanging configuration Large-diameter crossing bars Two-level crossing bars, etc.









1. Establish safety culture

Let's Promote

the Challenge Safety (CS) Campaign together. "Challenge to enhance safety" is the origin of

- the CS Campaign.
 Each employee is the leading actor responsible for safety.
- · Regardless of the style



. Establish safety culture

Let's Promote 3 Principles of Actualities

Problems related to safety always occur in the *actual field*.
Answers are also in the *actual field*.

Actual location: Go to the actual location to understand the

Actual objects: Examine the actual objects Actual people: Meet face-to-face with the people actually involved to understand their situation



1. Establish safety culture

Safety Culture

is the foundation of the safety approach that the group has been cherishing to date.

5 cultures

3 principles of actualities: Actual location, Actual object and Actual people

Challenge Safety Campaign Stop the train immediately whenever a risk is foreseeable. By assigning all the safety approaches developed so far, we establish safety as part of the DNA of each employee.

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1. Establish safety culture

Instill the 5 Cultures of the JR East Group!

Stop the train immediately whenever a risk is foreseeable!

Basic motion like conversation for confirmation and finger-pointing and call

Culture of action continues and all employees make further efforts together to develop it.

1. Establish safety culture

How to Support the CS Campaign (Example)

- To let every employee get the sense of accomplishment
 Realize the content discussed in the CS Campaign (Example) Establish the content as a rule of the workplace and visualize it
 - with the budget allocated for the activation of the CS Campaign • Play the central role in the CS campaign by experiencing such role as an
 - official of the CS promotion committee (Example) Appoint CS promotion committee officials systematically and create assistance to the CS promotion committee officials to expand the activities.

♦ Efforts to respond promptly

 Respond seriously to inquiries and requests from employees as promptly as possible with information on the progress and direction

 \diamond Develop a mechanism free from the inward-looking attitude and format

 Expand employees' activities to allow them to develop a wide variety of views and ideas

(Example) Let employees exchange opinions with other sections and companies and learn from the field. \vec{s}

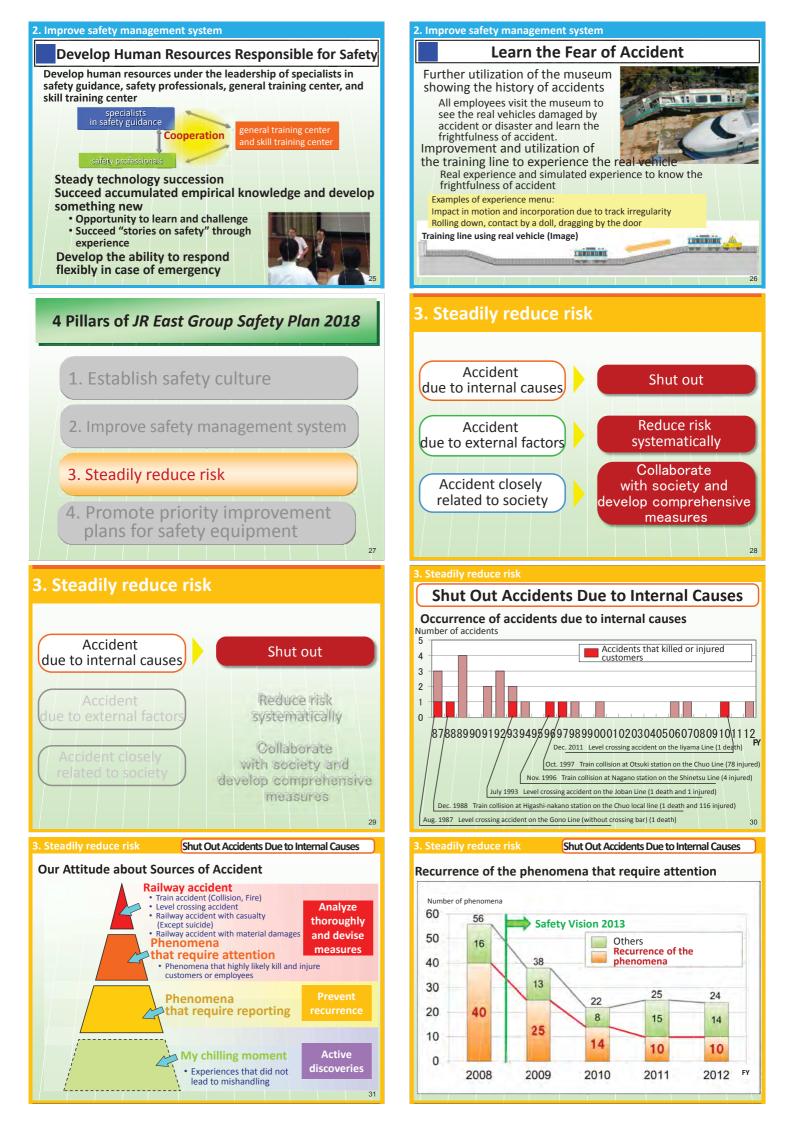
 All employees make concerted efforts to develop a good mechanism regardless of the format of meeting and presentation.

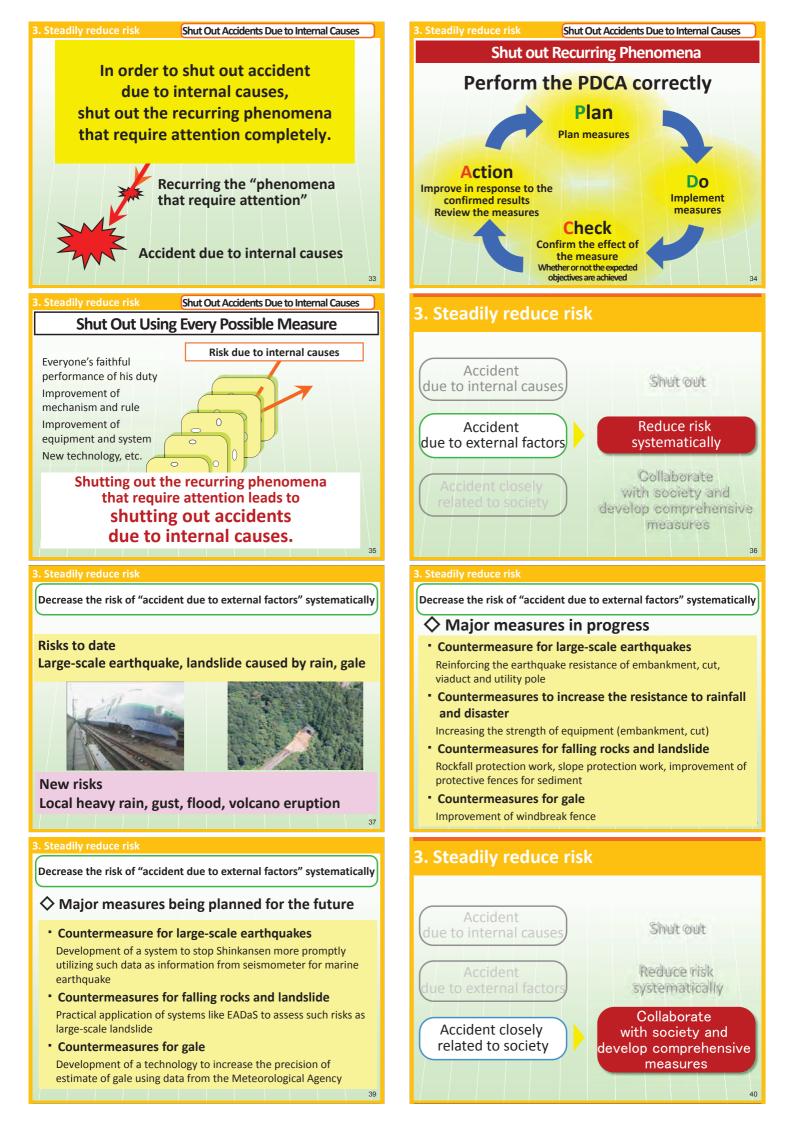
4 Pillars of JR East Group Safety Plan 2018

1. Establish safety culture

2. Improve safety management system

- 3. Steadily reduce risk
- 4. Promote priority improvement plans for safety equipment

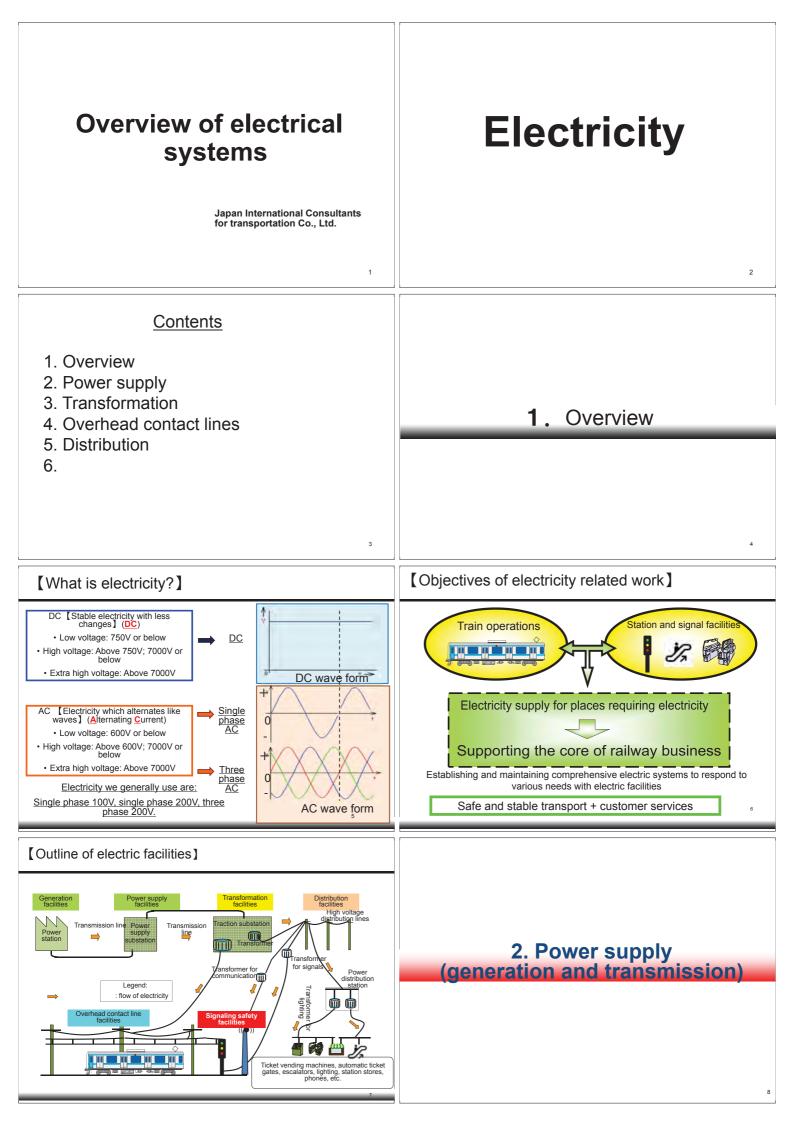


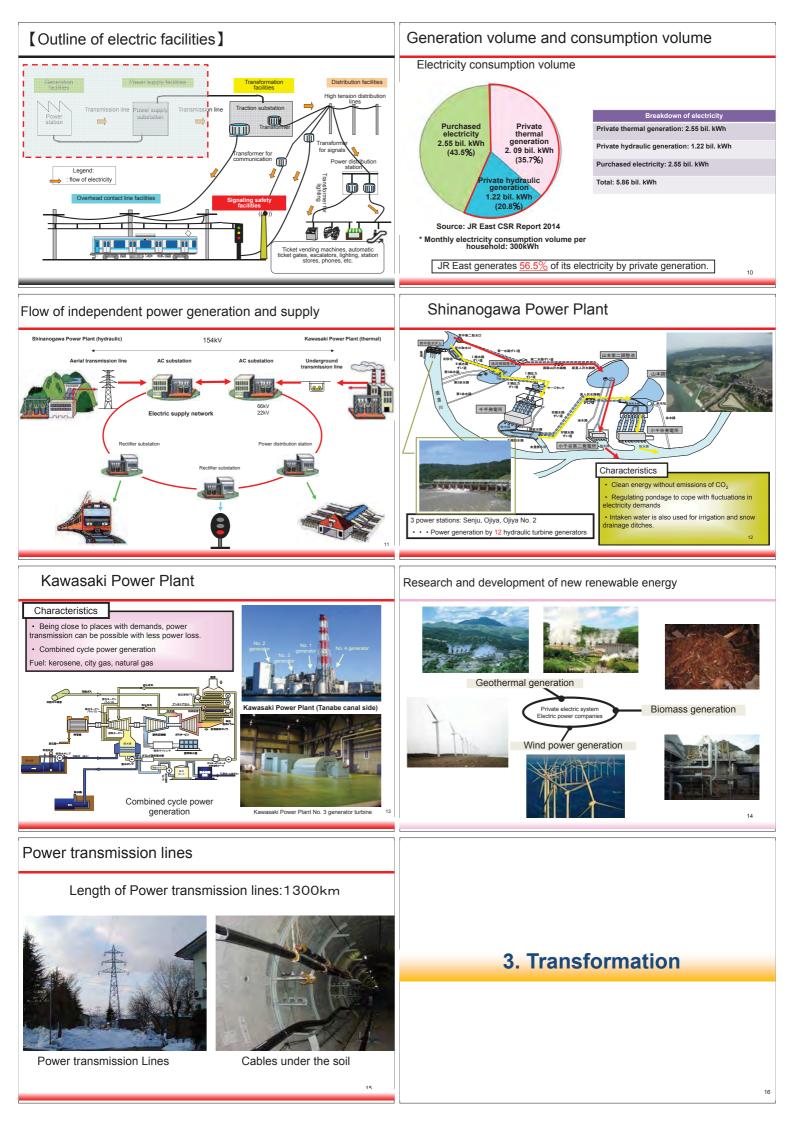


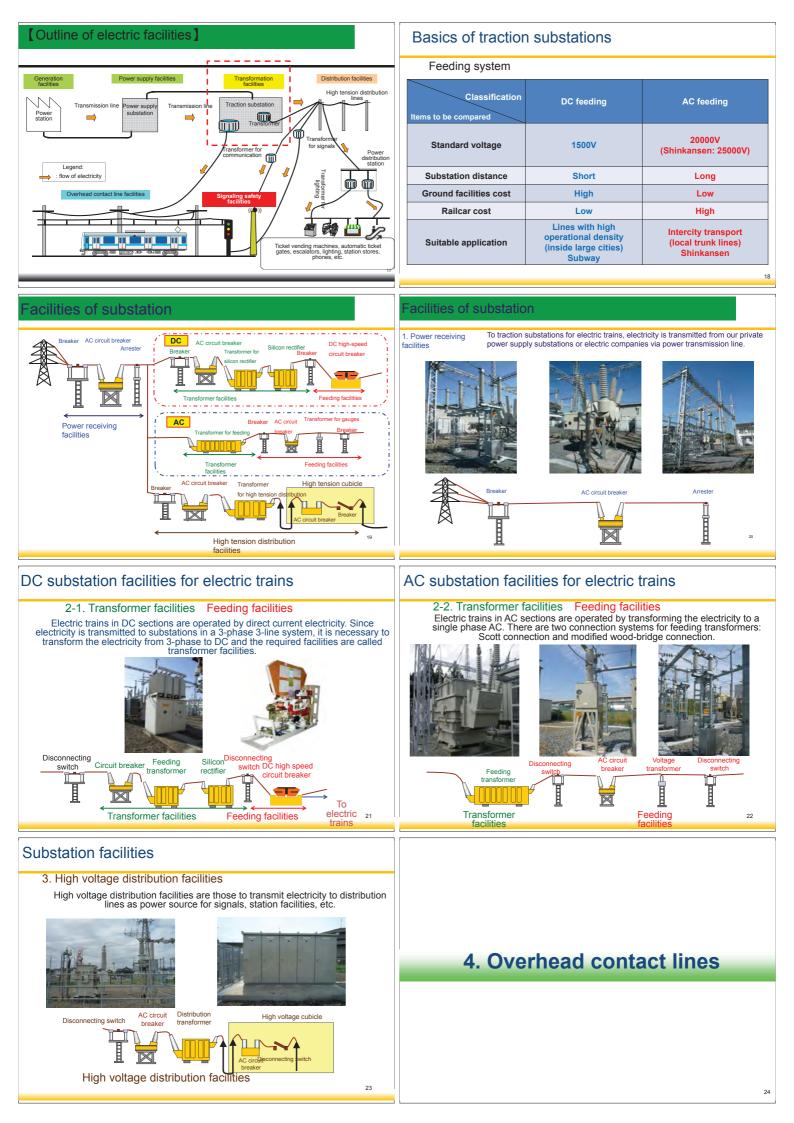


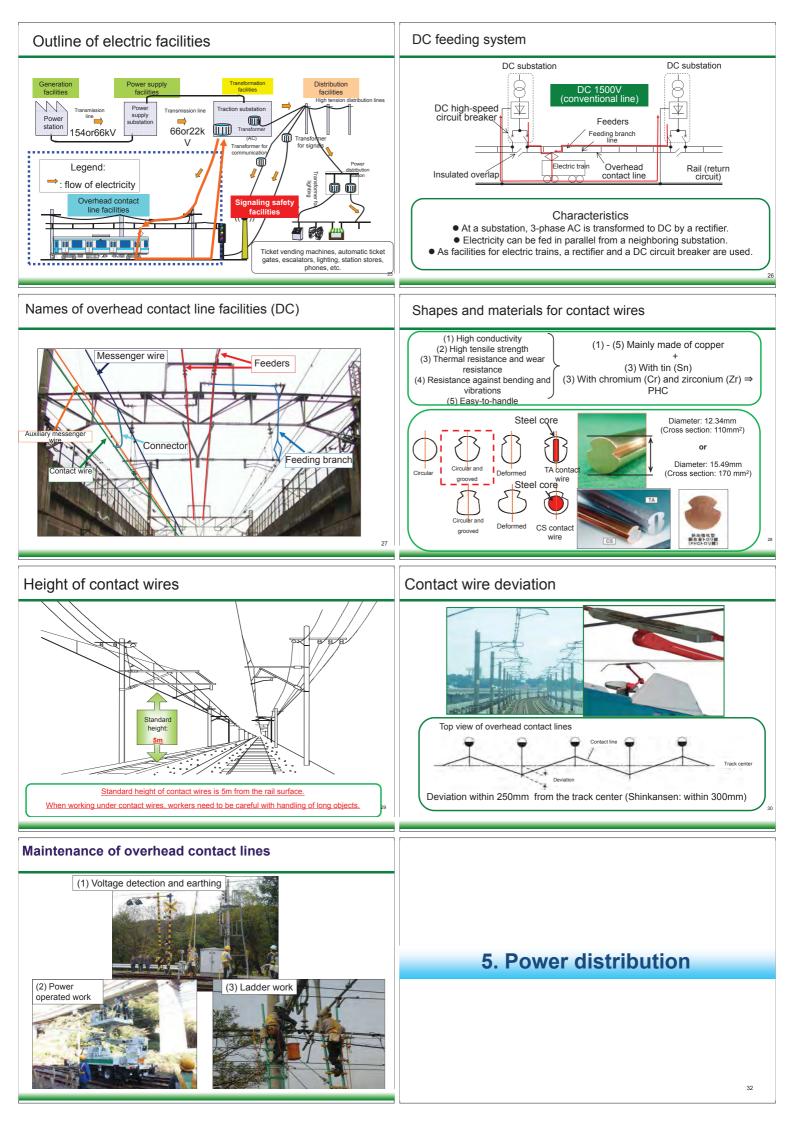
device for level crossing

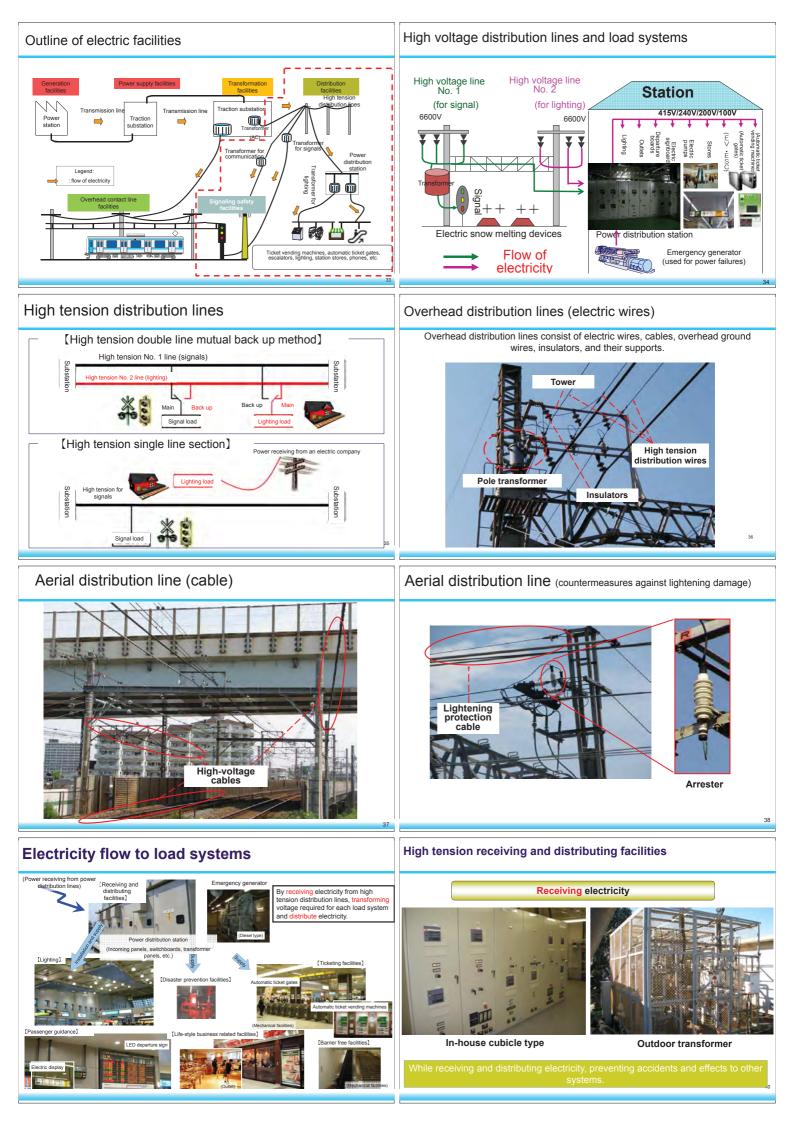
strenuous efforts

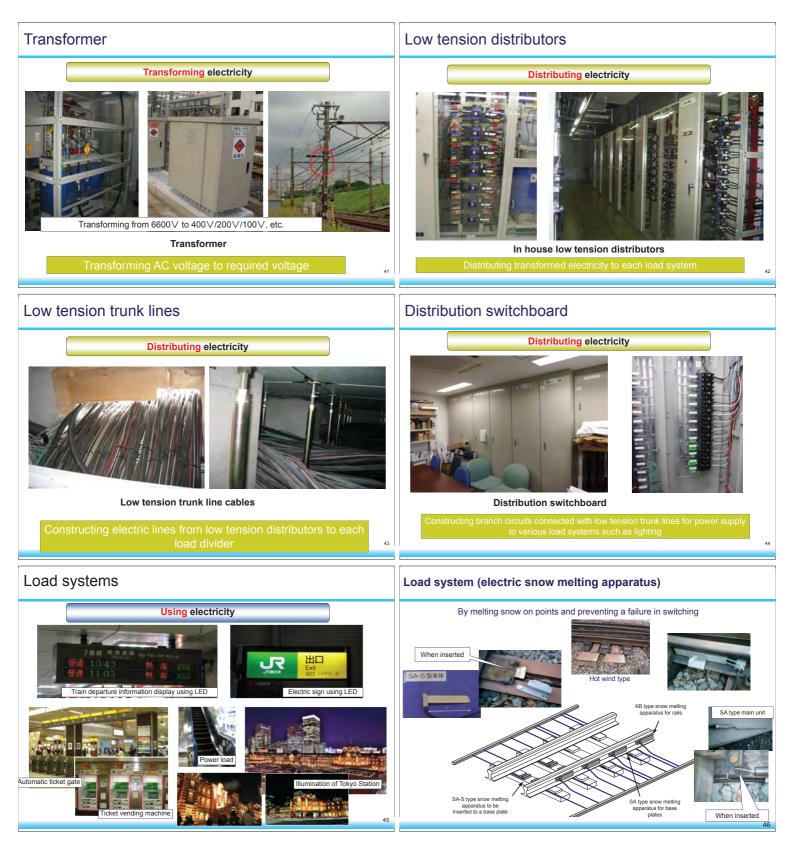












3.4 Training material: Service training (8/2-10)

Improvement of Quality of Railway Service

Mr. Mitsuo HIGASHI Railways Policy Advisor for Myanmar

(1)Kick-off training of the whole 11 division

- Training aims for raising the opinion that:
- Railway should value most is customer satisfaction and
- Should act and provide solutions for the wants of the customers.

(1)Kick-off training of the whole 11 division

- Trainee should learn some methods of quality management, techniques, and discuss issue of service improvement for each station.
- Training program is almost same as March.

(2) Joint 2 days training for Model Station

- Station masters should establish the principle of the customer first,
- And quality control is set as a basic policy of management.
- The leader staff will discuss issues of service improvement for each station.
- Station master and leader staff make target of service jointly.
- Minister of Transport will inspect and encourage the seminar, and also open to the press.

Myanma Railways is aiming for

- Improvement of Quality of Railway Service,
- And the 100days plan already target on service improvement of railway employees.
- This March, JICA introduced the service training which composed by the methods, PDCA Deming cycle, Kaizen step and group discussion.
- Now JICA plans next Railway Seminar for Improvement of Quality of Railway Service, which is positioned that as kick-off training of the whole 11 division.

(1)Kick-off training of the whole 11 division

- 3rd August 5th August
- At Seminar House of Naypyidaw
- Participants: Station leader staffs from the whole 11 division.
- The number of participants: 40 people(3 or 4 each from 11 division)
- The person who will become leader of each division of planning and promote improvement of quality of railway service.

(2) Joint 2 days training for Model Stations

- 8th and 9th August
- At Yangon station meeting room(uncertain)
- Choose 5 model stations(draft): Yangon, Insein, Danyingon, Mingalardon, Bago
- Joint training of station master and leader staff for service improvement
- Total 25 people from 5 stations(station staffs and station masters)

Improving service of Myanmar Railway Workshop by JICA



Establishment of Mechanisms for Improving Customer Satisfaction

Raising the opinion that <u>Railway should value most is customer</u> <u>satisfaction and should offers solutions</u> to the needs and wants of the customers.

Introduction of method of service improvement .

Awareness (KIZUKI) & PDCA (KAIZEN)

Presented by Mr. Mitsuo Higashi, Railways Policy Advisor for Myanmar

Establishment of Mechanisms for Improving Customer Satisfaction

Modernization program is proceeding from short-term to middleterm now. Establishment of Mechanisms for Improving Customer Satisfaction is very important item for the next phase.

For providing services and products with which customers are satisfied ,We are planning workshop about railway service including all management .

Improvement of the levels of services is can be established by strengthening not only improving functions of equipment and facilities but also Change of Value and Change of Mentality.

Since the organizations depend on their customers, they should understand current and future customer needs, and meet customer requirements and should try to exceed the expectations of customers.

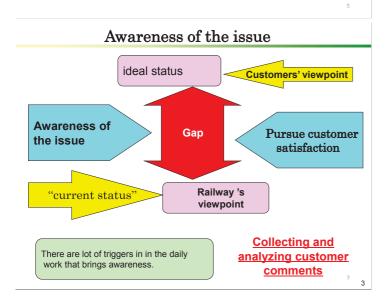
Awareness (KIZUKI) & PDCA (KAIZEN) approach

The second purpose of this workshop is introduction of method of service improvement .

We will discuss how to improve the passenger service in Myanmar practically and learn about <u>PDCA approach and</u> <u>several method.</u>

We will introduce examples of service improvement in Japan and consider passenger service in Myanmar practically.

For change of Mentality MR should know methods of quality management and techniques



MD Work Shop 2016. 3. 28



For providing services and products with which customers are satisfied ,We are planning workshop about railway service including all management . Improvement of the levels of services is can be established by strengthening not only improving functions of equipment and facilities but also Change of Value and Change of Mentality.

Railway should value most is customer satisfaction

The first purpose of this workshop is raising the opinion that Railway should value most is customer satisfaction and should offers solutions to the needs and wants of the customers. Basic Management Policies should be established as like the eight quality management principles are defined in ISO 9000:2005

ISO 9000 series are based on <u>eight quality management principles</u> **Principle 1 Customer focus Principle 2 Leadership Principle 3 Involvement of people Principle 4 Process approach Principle 5 System approach to management Principle 6 Continual improvement Principle 7 Factual approach to decision making Principle 8 Mutually beneficial supplier relationships**

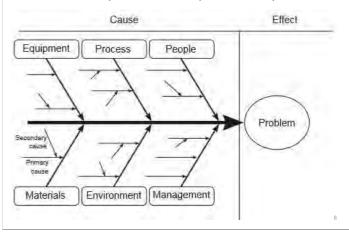


PLAN : establish objectives and processes necessary to deliver results in accordance with communities purposes;

DO: implement processes and achieve objectives;

CHECK: monitor and measure processes against community policy, objectives, compliance obligations ,and report the results; ACT: take necessary actions to improve performance.

- Group discussion
- Element analysis of service improvement by Fish born



Logic tree (Tree diagram)

The logic tree (tree diagram) decomposes the relationships among events into a tree like shape such as "trunk→branch→twig" by following the logic. As the decomposition proceeds further, the event in question becomes more concrete. Largely logic trees may be classified into three categories

Whole / part system tree (What tree)

A tree that exhibits what constituencies create an event as a whole by decomposing: the decomposition is processed with repeated queries of "By what it is constituted?"

2Outcome/cause system tree (Why tree)

A tree that exhibits a causal relationship by decomposing: the decomposition is processed with repeated queries of "Why the outcome has come up?" ``

③Goal/measure system tree (How tree)

A tree that exhibits a relationship between a goal and measures to achieve the goal by decomposing: the decomposition is processed with repeated queries of "How the goal can be achieved? "

Option Matrix

Evaluation items	Option A	Option B	Option C	Evaluation
Effect How much improvement effect we can expect?"				
Speed At what point of time, we can see improvement effect?"				
Feasibility "Will it really be able to realize the mprovement?"				
Economy How much money it will take ?				

- Q1 How do you think about Customer service? Please make definition of customer satisfaction
- Q2 How do you think about element of service quality of railway?
- Q3 How do you improve service of Myanmar Railway ? What can we do as measures ?
- Q4 Who is responsible for customer satisfaction?
- Q5 What can you do for improvement of customer satisfaction on your job?

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Upon assessing improvement measures, "Option Matrix" should be a help.

List each improvement measure vertically and set each evaluation item horizontally. Then, assess each improvement measure by scoring, which allows exhibiting the priority by showing total scores.

Evaluation method Once the determination of evaluation items, we will clarify how they are going to be assessed.

For example, there is a method that applies three-grade evaluation for each item: an improvement measure that has a higher total score by the evaluation will be implemented as priority.

Successful improvement measures

As for successful improvement measures, we should think of the ways to keep the good condition and implement "locking" as a countermeasure.

Locking and Standardization

"Locking" refers to a continuing measure that is implemented so that the effective improvement can take root. By implementing "locking," the result of improvement can be remained across the workplace.

The basic of locking lies in "standardization" that establishes standards for a certain work and has the entire workplace thoroughly adhere to the standards. With standardization, we will be able to avoid such situations as "I don't know what to do in case of emergency although I can deal with in usual times." "Mr.B alone cannot implement it while Mr.A can." It is critical for us to establish a system where "anybody can achieve the same level at any time."

Locking (a continuing measure to keep a good condition) Standardization Anybody can achieve the same level at anytime Establishing standards Utilizing standards

Challenges for Modernization of Myanma Railways



Three Challenges for Modernization

Modernization of infrastructure

Modernization of human resources

Modernization of organization and system

Improvement of the levels of services is can be established by strengthening not only improving functions of equipment and facilities but also Change of Value and Change of Mentality.

Presented by Mr. Mitsuo Higashi, Railways Policy Advisor for Myanmar

Railway should value most is customer satisfaction

The first purpose of this workshop is raising the opinion that Railway should value most is customer satisfaction and should offers solutions to the needs and wants of the customers.

Basic Management Policies should be established as like the eight quality management principles are defined in ISO 9000:2005

Leaders of an organization establish unity of purpose and direction in which people can become fully involved in achieving the organization's quality object

MR should know methods of quality management and techniques

Awareness (KIZUKI) & PDCA (KAIZEN) approach

The second purpose of this workshop is introduction of method of service improvement .

We will discuss how to improve the passenger service in Myanmar practically and learn about <u>PDCA approach and several method.</u>

We will introduce examples of service improvement in Japan and consider passenger service in Myanmar practically.

For change of Mentality MR should know methods of quality management and techniques

JREAST

By achieving a level of service that only JR East can provide, we aim to meet the expectations of both local communities and our service users, thereby alleviating grievances and meeting future needs. To attain this goal, we understand that it is critically important for us to constantly pay attention to customer comments, to learn, for example, exactly what JR customers are interested in or what annoys them, and thus steadily make improvements.

We gather customer comments on a daily basis through a wideranging system that includes collection by front line employees, via the Internet and from customer help desks. We are implementing a company-wide initiative to develop a system capable of identifying relevant comments and sharing them with the appropriate departments that can then initiate moves that will lead to improvements in all aspects of our services. We gratefully accept customer comments and act from a customer viewpoint. We believe the origin of customer satisfaction is in each and every customer comment. Establishment of Mechanisms for Improving Customer Satisfaction

Modernization program is proceeding from short-term to middleterm now. Establishment of Mechanisms for Improving Customer Satisfaction is very important item for the next phase.

For providing services and products with which customers are satisfied ,We are planning workshop about railway service including all management .

Improvement of the levels of services is can be established by strengthening not only improving functions of equipment and facilities but also Change of Value and Change of Mentality.

Since the organizations depend on their customers, they should understand current and future customer needs, and meet customer requirements and should try to exceed the expectations of customers.

ISO 9000 series are based on <u>eight quality management principles</u>.

Principle 1 Customer focus Principle 2 Leadership Principle 3 Involvement of people

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Principle 6 Continual improvement Principle 7 Factual approach to decision making Principle 8 Mutually beneficial supplier relationships

PDCA (KAIZEN) approach



PLAN: establish objectives and processes necessary to deliver results in accordance with communities purposes;
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Teamwork

In order to guarantee customer satisfaction, we have designated service promoters operating at many front line workplaces.

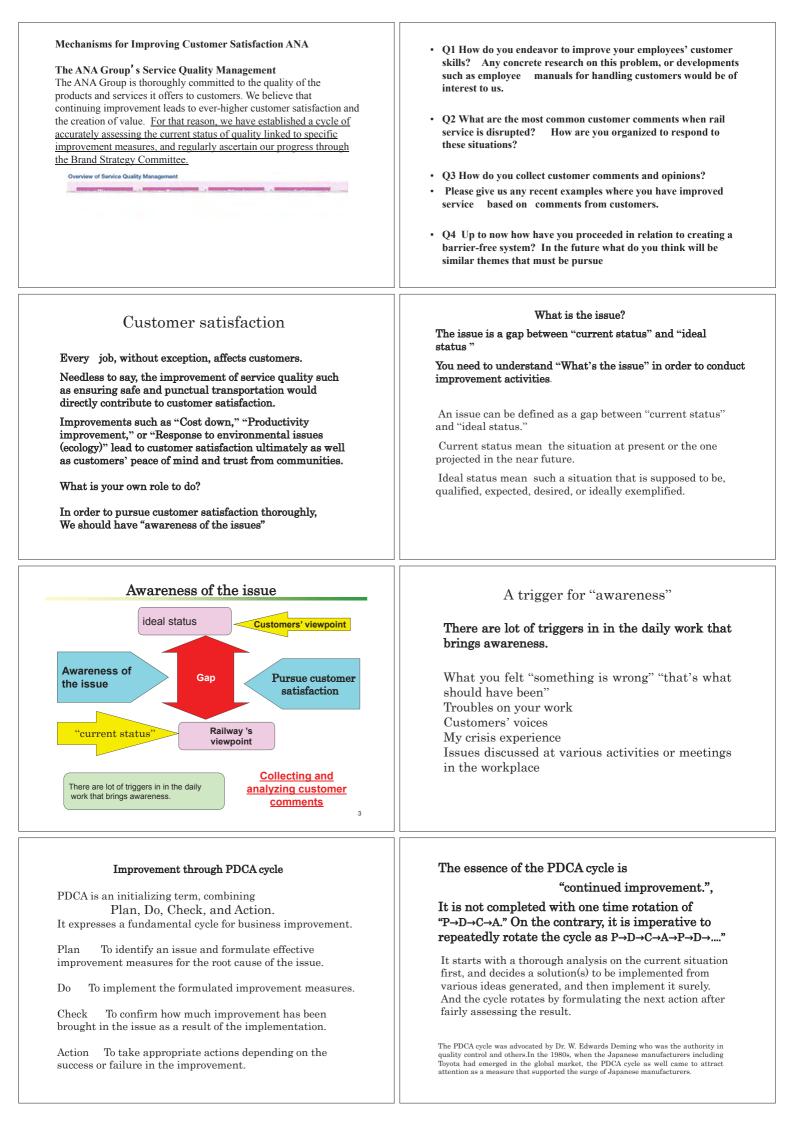
Furthermore, with a clear awareness that all efforts eventually lead to improved customer satisfaction, we hold regular customer service training sessions and symposiums that involve all Group employees, from top management to front line employees.

We are continually working to create a corporate culture where each employee aims to enhance customer satisfaction, by targeting not only front line employees, but also those in sections that do not have direct contact with customers.

Responding to customer comments

Based on customer comments gathered and social conditions, we take measures to improve customer satisfaction.

Transport Services Improvements More Comfortable On-board Air Conditioning Improvements in Station Toilets Personal Greetings Campaign



Example of quantitative index

Service improvement

- \cdot Number of praises \cdot Number of complaints \cdot Number of users
- Customer's waiting time
 Safety improvement
- My crisis experience
- Productivity improvement
- Working time · Working headcounts · Work cost
- Work productivity (processing time per unit)
- Labor productivity (processing volume per headcount)
- Facility efficiency

Sales increase/Cost down

Sales amount · Number of tickets sold · Cost incurred
Improvement in ecology

Garbage volume · Recycle paper usage rate

Logic tree (Tree diagram)

The logic tree (tree diagram) decomposes the relationships among events into a tree like shape such as "trunk→branch→twig" by following the logic. As the decomposition proceeds further, the event in question becomes more concrete. Largely logic trees may be classified into three categories

①Whole/part system tree (What tree)

A tree that exhibits what constituencies create an event as a whole by decomposing: the decomposition is processed with repeated queries of "By what it is constituted?"

2Outcome/cause system tree (Why tree)

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③Goal∕measure system tree (How tree)

A tree that exhibits a relationship between a goal and measures to achieve the goal by decomposing: the decomposition is processed with repeated queries of "How the goal can be achieved? "

We need to reveal a root cause (core cause) that has caused an issue from the viewpoint of "Why the current status has come up?"

We should explore every possibility that could cause the issue, and then narrow down to a root cause by verifying through factual data.

A root cause is not necessarily a single one. Rather, it could be said that multiple causes interact each other and invite an issue as a result in the majority of cases. On the other hand, it is difficult as well as inefficient to take countermeasures for each of possible cause.

Among the various causes, a root cause that highly attributes to an issue should be narrowed down as a "core cause." Taking appropriate improvement measures to the core cause allows efficient and effective improvement.

The important thing in pursuing a core cause is that to identify it based on fact as we did in grasping the current status.

For example, we can make a deeper analysis in seeking causes for the decrease of users for a service by utilizing a Why tree.

Why? Users for the service are decreasing

Why? There is dissatisfaction in the service contents. Why? There is dissatisfaction in the way of delivering the service.

There are no services that customers want to use.

The fee for the service is expensive.

The service lacks consistency in the quality.

The business hour for the service counter is limited.

The services counter's response is bad.

The service counter is hard to be found.

Characteristic-factor chart

A characteristic-factor chart systematically summarizes the relationship between a characteristic (outcome) and factors that affect the characteristic. Since the systematized chart takes a form looking like a fish bone shape, it is called as another name of "fish bone."

The creation processes for a characteristic factor chart are as follows: «Process1» Determination of characteristic

Determine the characteristic to be addressed and write it down in the right side with a big frame surrounding it. Using description that can provide a specific image of the issue state would be recommended such as "Taking time for entering and leaving the yard."

«Process2» Drawing a factor backbone

Draw a backbone (horizontal arrow) heading to the characteristic.

«Process3» Drawing factor big bones

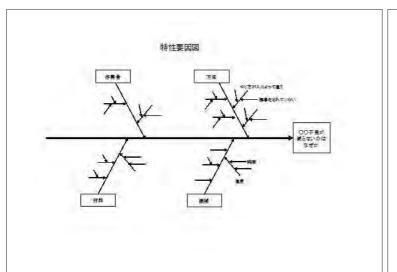
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For each big bone, draw middle/small/grand small bones by repeating break down queries "Why" why" and "Why" to break down the factor. Draw a middle bone parallel to the backbone, a small bone parallel to the backbone, and write a factor at the end of each bone.

«Process5» Confirmation of the factor

Check the depicted chart if there is any omission or if any relation between the characteristic and the factors is uncertain. Complete the chart with necessary revisions and additions.



Evaluation items/method

Evaluation items

Effect

This is an item to evaluate "How much improvement effect we can expect?"

Needless to say, an improvement measure that has a larger improvement effect should be prioritized.

Speed

This is an item to evaluate "At what point of time, we can see improvement effect?" An improvement measure that has an earlier improvement effect should be prioritized. Feasibility

This is an item to evaluate "Will it really be able to realize the improvement?" This will assess the risk associated with the realization such as "Is it feasible, given requiring high technology?" "This essentially requires cooperation with outside entities Will we be able to ensure such cooperation?" Economy

Economy

This is an item to evaluate "How much money it will take to implement?" However improvement effect is expected, it is difficult to be implemented for improvement measures that require substantial cost exceeding the tolerance.

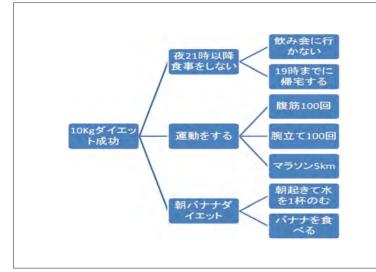
The first step of standardization is to establish standards on the way to conduct a certain work.

①Documentation of know-how on improvement

Document know-how acquired through planning/implementation of successful improvement measures in such a manner that clarifies "What should be implemented with what kind of processes in order to succeed."

②Issue a manual to be available for anybody

In order to turn the documented know-how into standards, we need to summarize working processes and the like, and edit into a manual so that they can be available for anybody.



Upon assessing improvement measures, "Option Matrix" should be a help.

List each improvement measure vertically and set each evaluation item horizontally. Then, assess each improvement measure by scoring, which allows exhibiting the priority by showing total scores.

Evaluation method Once the determination of evaluation items, we will clarify how they are going to be assessed. For example, there is a method that applies three-grade evaluation for each item: an improvement measure that has a higher total score by the evaluation will be implemented as priority.

Successful improvement measures

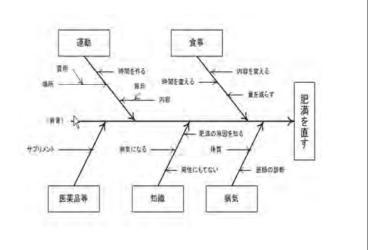
As for successful improvement measures, we should think of the ways to keep the good condition and implement "locking" as a countermeasure.

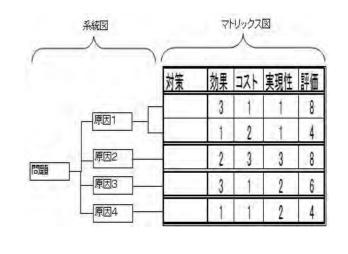
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Improvement of Quality of Railway Service

Challenges for Modernization of Myanma Railways Three Challenges for Modernization •Modernization of infrastructure •Modernization of human resources •Modernization of organization and system

Improvement of the levels of services is can be established by strengthening not only improving functions of equipment and facilities

but also Change of Value and Change of Mentality.

Mr. Mitsuo HIGASHI

Railways Policy Advisor for Myanmar

Service Quality



Improving comfort and convenience

- Improving transportation quality Work as a team beyond the borders of departments, and promptly improve our service quality
- Listening to customer comments
- Pursuing customer-friendly services

Create a culture of "think by oneself, act by oneself" from the customer's perspective $% \mathcal{T}_{\mathcal{T}}^{(n)}$

Example of "Greeting / support movement"

 JICA introduced the service training which composed by the methods, PDCA Deming cycle, Kaizen step and group discussion.

Awareness (KIZUKI) approach

ISO 9000 series are based on eight quality management principles. Principle 1 Customer focus Principle 2 Gardership Principle 3 Involvement of people

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PDCA (KAIZEN) approach



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Group discussion by KAIZEN methods



The logic tree (tree diagram)





Option Matrix



Railway Seminar for Improvement of Quality of Railway Services

- Myanma Railways now trying to establish of management policy that Myanma railways from front-line to top all people comes together to work to improve the railway services and tackle to improvement customer satisfaction. And the 100days plan already target on service improvement of railway employees.
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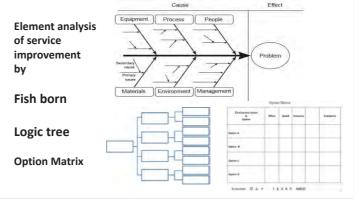
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MD Work Shop 2016. 3. 28



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• Trainee should learn some methods of quality management, techniques, and discuss issue of service improvement for each station.



(1)Kick-off training of the whole 11 division

- 3rd August 5th August
- At Seminar House of Naypyidaw
- Participants: Station leader staffs from the whole 11 division.
- The number of participants: 40 people(3 or 4 each from 11 division)
- The person who will become leader of each division of planning and promote improvement of quality of railway service.

(2) Joint 2 days training at Yangon

- 8th and 9th August
- At Yangon 5 model stations(draft): Yangon, Insein, Danyingon, Mingalardon, Bago
- Joint training of station master and leader staff : 25 people from 5 stations(station staffs and station masters)

Joint 2 days training for Model Station

 Station masters should establish the principle of the customer first, and quality control is set as a basic policy of management. The leader staff will discuss issues of service improvement for each station. <u>Station master and leader staff make</u> target of service jointly.

PDCA (KAIZEN) approach



This section introduces tips for truly effective delivery of "eye contact, smiles and greetings," which are the basics of customer service. There are 5 tips, as follows.

Five tips for hospitality

Tip 1 Expression Tip 2 Wording

Tip 3 Diction

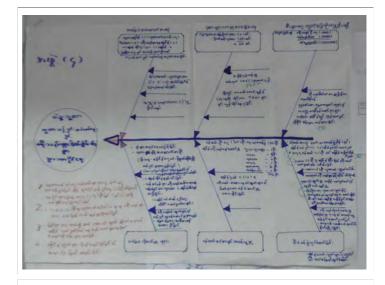
Tip 4 Way of looking

Tip 5 Attitude & behavior

Tip 1 Expression

Consciously choose your wording according to the situation

Raise the corners of your mouth for a friendly smile! When just standing by, adopt an expression that makes it easy for customers to talk to you.



- "Have you ever thought about how the organization called Myanmar Railways is perceived by customers? By changing your viewpoint, you can see things that you were unable to see until now. Let's start by reexamining the company where we work, Myanmar Railways."
- What we have practiced today will lead to customer delight. Let's continue to push forward toward being a "friendly and warm" railway company that delivers "smiles" and "delight" on "an everyday basis" to our customers.

3.5 Training material: Service training (10/8-13)

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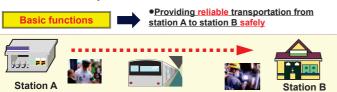
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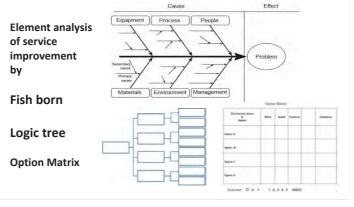
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GM Work Shop 2016. 3. 28



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The essence of the PDCA cycle is

"continued improvement.",

It is not completed with one time rotation of "P \rightarrow D \rightarrow C \rightarrow A." On the contrary, it is imperative to repeatedly rotate the cycle as P \rightarrow D \rightarrow C \rightarrow A \rightarrow P \rightarrow D \rightarrow"

It starts with a thorough analysis on the current situation first, and decides a solution(s) to be implemented from various ideas generated, and then implement it surely. And the cycle rotates by formulating the next action after fairly assessing the result.

The PDCA cycle was advocated by Dr. W. Edwards Deming who was the authority in quality control and others. In the 1980s, when the Japanese manufacturers including Toyota had emerged in the global market, the PDCA cycle as well came to attract attention as a measure that supported the surge of Japanese manufacturers.

Improvement through PDCA cycle

PDCA is an initializing term, combining Plan, Do, Check, and Action. It expresses a fundamental cycle for business improvement.

Plan <u>To identify an issue and formulate effective</u> <u>improvement measures for the root cause of the</u> <u>issue.</u>

Do To implement the formulated improvement measures. Check To confirm how much improvement has been brought in the issue as a result of the implementation. Action To take appropriate actions depending on the success or failure in the improvement. ISO 9000 series are based on <u>eight quality management principles</u>.

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Customer satisfaction

Every job, without exception, affects customers.

Needless to say, the improvement of service quality such as ensuring safe and punctual transportation would directly contribute to customer satisfaction.

Improvements such as "Cost down," "Productivity improvement," or "Response to environmental issues (ecology)" lead to customer satisfaction ultimately as well as customers' peace of mind and trust from communities.

What is your own role to do?

In order to pursue customer satisfaction thoroughly, We should have "awareness of the issues"

What is the issue?

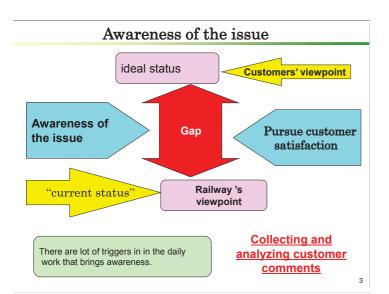
The issue is a gap between "current status" and "ideal status"

You need to understand "What's the issue" in order to conduct improvement activities.

An issue can be defined as a gap between "current status" and "ideal status." $% \mathcal{L}^{(n)}$

Current status mean the situation at present or the one projected in the near future.

Ideal status mean such a situation that is supposed to be, qualified, expected, desired, or ideally exemplified.



We need to reveal a root cause (core cause) that has caused an issue from the viewpoint of "Why the current status has come up?"

We should explore every possibility that could cause the issue, and then narrow down to a root cause by verifying through factual data.

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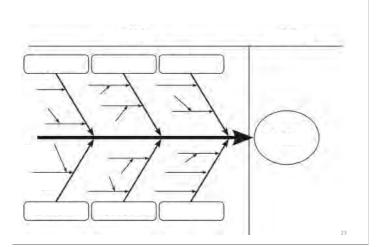
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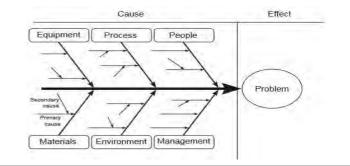
A trigger for "awareness"

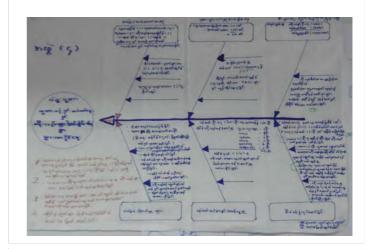
There are lot of triggers in in the daily work that brings awareness.

What you felt "something is wrong" "that's what should have been" Troubles on your work Customers' voices My crisis experience Issues discussed at various activities or meetings in the workplace

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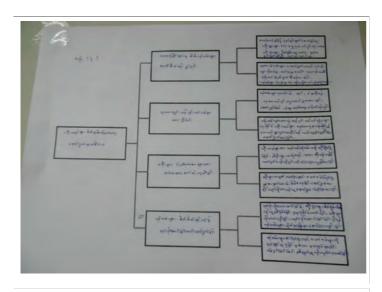
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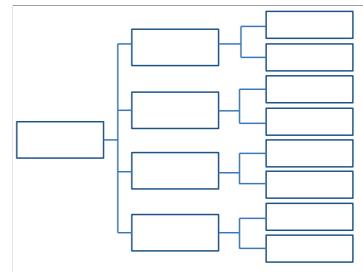
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	Option	n Matrix		
Evaluation items & Option	Effect	Speed	Economy	Evaluation
Option A				
Option B				
Option C				
Option D				

Successful improvement measures

As for successful improvement measures, we should think of the ways to keep the good condition and implement "locking" as a countermeasure.

Locking and Standardization

"Locking" refers to a continuing measure that is implemented so that the effective improvement can take root. By implementing "locking," the result of improvement can be remained across the workplace.

The basic of locking lies in "standardization" that establishes standards for a certain work and has the entire workplace thoroughly adhere to the standards. With standardization, we will be able to avoid such situations as "I don't know what to do in case of emergency although I can deal with in usual times." "Mr.B alone cannot implement it while Mr.A can." It is critical for us to establish a system where "anybody can achieve the same level at any time."

Locking (a continuing measure to keep a good condition) Standardization Anybody can achieve the same level at anytime Establishing standards Utilizing standards

 "Have you ever thought about how the organization called Myanmar Railways is perceived by customers? By changing your viewpoint, you can see things that you were unable to see until now.

Let's start by reexamining where we work, Myanmar Railways.

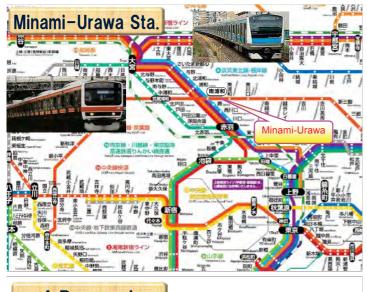
 What we have practiced today will lead to customer delight. Let's continue to push forward toward being a "friendly and warm" railway company that delivers "smiles" and "delight" on "an everyday basis" to our customers.

Customer Service Improve Example in JR East





Japan International Consultants For Transportation Co., Ltd. Takahiro KURAMOCHI



1.Research

(1) Collecting customers' voice



1.Research

(1) Collecting customers' voice by the "New Green Information System"

related to Minami-Urawa Station were · · ·

$2011 \rightarrow 473 \text{ comments}$

and we tried to extract which we can improve by ourselves

My Working Experience in JR East

- Minami-Urawa Station
 - Ticket Office
 - Ticket Inspector
 - Platform Operations Office
- Omiya Conductors Office
 Train Conductor of
 - JR Saikyo / Kawagoe Line – Connecting Tokyo and the Northern Suburbs



Minami-Urawa Station

- Located in Northern suburban area in Tokyo
- Transfer station of "Keihin-Tohoku Line(North-South commuter corridor line of Tokyo)"

and

"Musashino Line(Outer circular line of Tokyo)"

- Usage: 60,000 persons per day
- Transfer: 200,000 persons per day

1.Research

• "New Green Information System"

 Every customer voice whole JR East is registered the system
 Department of the system

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1.Research c) Customer voices which we can improve ourselves were: Difficult to find the exit/transfer train: 14 comments 29.1% Difficult to find the exit/transfer train: 10 comments 20.8% Stairway Up/Down Partition 8 comments: 16.6% Concourse Forward/Backward Partition: 7 comments 14.5% Fix the bumps, etc.: 4 comments 8.3% Difficult to find the restrooms: 2 comments 4.1% Difficult to find the restrooms: 2 comments 4.1% Difficult to find the escalators: 1 comment 2%

1.Research 1.Research (1)Customer voices which we can improve ourselves were: (1)Customer voices which we can improve ourselves were: Difficult to find the exit/transfer train 14 comments 29.1% **Congestions are** Difficult to find transfer information 10 comm about Transfer trains / Exit 4.1% dangerous Difficult to find the restrooms 2 comments 4 50% Congestions are dangerous 2comments 4.1% **Difficult** to find the escalators 1 comment $2\frac{1}{8}$ Exit Transfer Steirway Concours 1.Research 2.Focus to improve (2) Not so many voices, but needed to improve: Improve point from customers' voices Better congestion on the platform to prevent an accident Station staff also recognize to improve: O Improving station's information signs for transfer trains/exit O Prevent an accident on the platform

3.Study on the present situations

OTrain transfer signs



3.Study on the present situations

OSafety on the platform





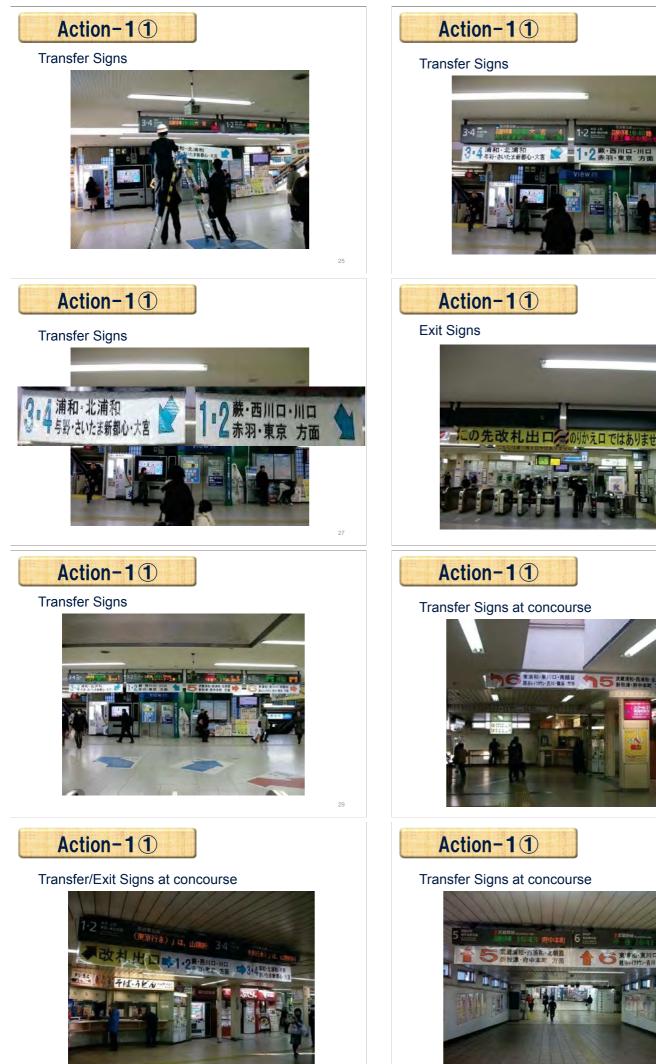
3.Study on the present situations

OTrain transfer/exit signs

12







Transfer Signs at concourse





Transfer Signs at concourse



28



Action-2

Paint on the platform to keep safety in rush hours









Before (Morning rush hours)





Omiya Conductors Office

- What is a service of conductors?
 Safety
 - On time operation
 - Announcement
 - Response for inquiries

Action-2

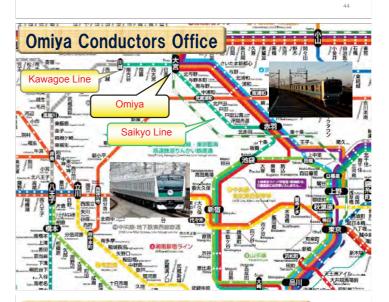
Paint on the platform to keep safety in rush hours (Boarding point)





After (Morning rush hours)





Service Improvement Comission



Omiya Branch Office Operation Contest







Customer Service Improve Example in JR East





Japan International Consultants For Transportation Co., Ltd. Takahiro KURAMOCHI 3.6 Training material: Service training (1/16-21)(We also used the material for October)

Overview of Service Improvement Workshop 2016

by JICA



Establishment of Mechanisms for Improving Customer Satisfaction:

Reform the organization to aims for **Improve Customer Satisfaction.**

Introduction of the methods of service improvement to the front of the Myanma Railways

Awareness (KIZUKI) & PDCA (KAIZEN)

Presented by Mr. Mitsuo Higashi, Railways Policy Advisor for Myanmar

1-1. Mar. 2016: Kick-off workshop/Trial training in the HQ 1-2. May. 2016: proposals for service seminar to the Minister/ Mandate by the Minister

· Improvement of the levels of services is can be established by strengthening not only improving functions of equipment and facilities but also Change of Value and Change of Mentality.



2-1. Aug. 2016: Articles



3. Oct. 2016: Service Leaders' Seminar in Yangon Sta. Customer Interview by GM/Station Master







Overview of Service Improvement Workshop 2016

- 1-1. Mar. 2016: Kick-off workshop/Trial training in the HQ
- 1-2. May. 2016: Proposals for service seminar to the Minister/Mandate by the Minister
- 2. Aug. 2016: Service leaders' seminar in Nay Pyi Taw/Yangon area service leaders' seminar
- 3. Oct. 2016: Service leaders' seminar in Yangon Sta. and customer interview by GM/Station Master
- 4. Jan. 2017: Station master & service leaders' seminar in Yangon/Mandalay
- 5. Comments for Service Improvement Seminar 2016
- 6. Draft Plans for 2017 and future
- 7. Customer Interview
- 8. Personal Proposal

2. Aug. 2016: Service Leaders' Seminar in Nay Pyi Taw Yangon Area Service Leaders' Seminar



2-2. Aug. 2016: Media



3-1. Oct. 2016: Articles The Standard Time Daily 12th Oct.

ရထားစီးခရီးသည်များ၏သဘောထားမှတ်ချက် စစ်တမ်းကောက်ယူ



ဝန်ထမ် တွေ ပြည်သူနဲ့ ပြ

3-2. Oct. 2016: Articles DEMOCRACY today 12th Oct.



- 4. 17th-18th Jan. 2017:Station Master & Service Leaders' Seminar in Yangon/Mandalay
- We held the service improvement seminar in Yangon three times.
- The seminar in Yangon will be the "Check" phase of PDCA cycle, as a follow up of this three months, after last seminar in October.
- The seminar in Mandalay will be the "Do" phase of PDCA cycle, as the first step to expand nationwide.

6. Draft Plans for 2017 and future

- "The Project on Improvement of Railway Service and Rolling Stock Maintenance" will start in 2017, and last for four years.
- First year: Establishing PDCA cycle for the service improvement
- Second year: Skill training (such as announcement and cleaning)
- Third year: Expand for all divisions, whole the MR
- Fourth year: Improve new service manual & formulation

7. Customer Interview 12:

- Opinion to MR
 - Need to help by wheelchairs, need to clean up, more gently staff, appropriate maintenance, more information by conductors, etc.
- Opinion to the station
- Clean up, modernization, more guards, better buildings, need more announce, thanks for getting better, etc...
- Opinion to the train
 - Clean up, need more trains, schedule is getting to on time but need more accuracy, opinion for vendors on the trains
- Opinion to rolling stock
- Need air conditioned car, better trains
- Opinion to ticketing operation

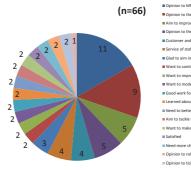
 Need to buy ticket online, please do not round up change, etc.

3-3. Oct. 2016: Media



- 5. Comments for Service Improvement Seminar 2016
- Railway staffs will aware of service improvement, and they know what are the problems for customers.
- Customers are eager to visible change of railways. That is why service improvement will make major impacts on the people and media.
- MR should continuously promote the service improvement and come through the expectation of customers.

7. Customer Interview 12:Now, YGN Station and MR are trying to service improvement fir the customers.Can you give us your opinion with that?



Opinion to the statio Aim to improve service is nic Opinion to the train mer and staff tog Service of staff is getting bette Glad to aim improving service Want to con Want to improve tra Want to modernize MR Good work for the peop Learned about activ rities and gu Need to better chairs and electric fan: Aim to tackle the modernization of MR is very nic Want to make more rapid progres Satisfied Opinion to rolling stock Opinion to ticketing operatio

8. Personal Proposal

- Establish the Service Improvement Committee in MoTC.
- The organizations' service activities will be reported every month.
- The service improvement results of each organizations will be released to the Website, and also exchanged to the press
- Staffs who aim to improve service will be encouraged to increase motivation.
- The service improvement forum will be held by MoTC each year, and present excellent cases from each organizations. (Open to the media)

Service promotion committee



Service meeting



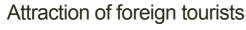
Bulletin board posting

- Committee takes place once a month.
- Discuss a common theme.
- Attending the meeting is voluntary.

• Minutes will be posted on a wall to share information with others.

Improvement of customer satisfaction





Route Search Japan Rail Pass

Limited Express

New reserved seat service



Foreign tourists has been increasing... Need easy to understand... Want to use train with peace of mind...

Global Service Information Booklet



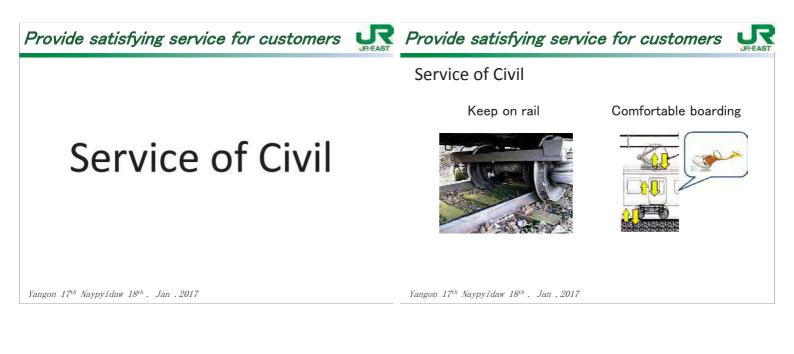
Proposal for the MR

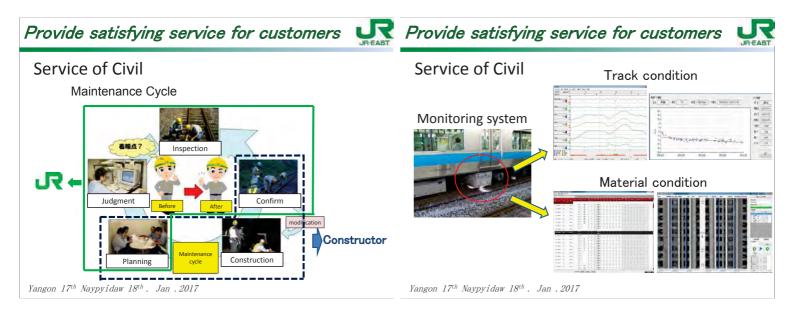


Guidance is almost in Burmese.

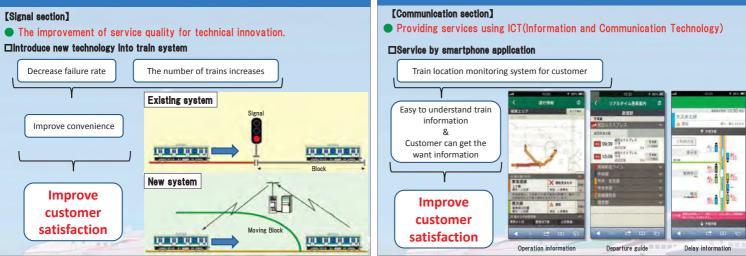
Need easy understanding guidance for foreign tourists.
Need to provide a better environment for foreign tourists .

I hope our research is useful for you.

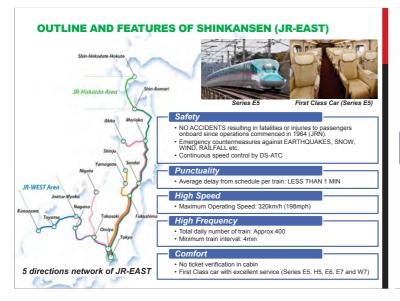




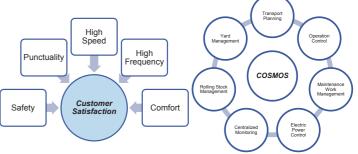
Signal & Communication section for service



Signal & Communication section for service



WHAT AND HOW TO MAKE CUSTOMERS SATISFIED?



- Advanced systems (COSMOS) are used to support a range of processes for Shinkansen. 7 Subsystems working effectively and efficiency to operate the Shinkansen.
- > COSMOS also assumes a crucial role in Customer Satisfaction.

WHAT AND HOW TO MAKE CUSTOMERS SATISFIED? > Transport Planning Subsystem is for preparation of train schedules and Transpor enables to accommodate customer's Operatio Contro demand against the train schedule (timetable). соѕмоѕ Operation Control Subsystem controls point machine, signal, automatic announcements in the stations and the generation of the train operation Centralized Monitoring schedule for restoring operation after a traffic failure. COSMOS with 7 Subsystems > Shinkansen Transport Dept. members train regularly against system troubles to handle the situations quickly and 3 鉣 effectively. (Systems are not always RUNT FRANK MONTH perfect) 1 > We prepare manuals for dealing with these troubles. Transport Planning Subsystem

4. Media articles

င်ထွန်

ခြိမ်ခြင်

အပေါ်

မံချက်

4.1 Myanma Alinn Daily (August 9, 2016)

ကစ္ပ်ဆ သည်။ းလှယ် မူခင်းကျဆင်းရေးလုပ်ငန်းများဆောင်ရွက်ရာတွင် လိုအပ်သောနေရာများ၌ အသုံးပြ များက ရန်အတွက် တစ်မြို့နယ်လျှင် ငွေကျပ်သိန်း ၁၀၀ စီအား သက်ဆိုင်ရာမြို့နယ်အုပ်ချပ် ရေးမှူး၊ မြို့နယ်ရဲတပ်ဖွဲမှူးနှင့် ရပ်မိရပ်ဖများထံသို့ လုံခြုံရေးနှင့်နယ်စပ်ရေးရာ မိုနယ်၊ ဝန်ကြီး၊ အမှတ် (၂)လုံခြုံရေးရဲကွပ်ကဲမှုအစွဲမှုူးနှင့် တိုင်းဒေသကြီးရဲတပ်စွဲမှူးတို့က မြို့နယ်၊ ထောက်ပံ့ပေးအပ်ခဲ့သည်။ (အပေါ်ပုံ)

ရေးနှင့် (သတင်းစဉ်)

န်မြို့နယ်အသင်း တံခွန်စိုက်ဆုဆွတ်ခူး

ခေါ်ပါတယ်။ ဒီပြိုင်ပွဲမှာ အပိုင်းကိုးပိုင်းရှိတယ်။ လေးမျိုးပြိုင်ရတဲ့အတွက် လေးပေါက် တန်းလို့ခေါ့်ပါတယ်"ဟု တိုင်းဒေသကြီး ခြင်းလုံးဆပ်ကော်မတီဥက္ကဋ္ဌ ဦးဝင်းတင့်က င်းလုံး မြနယ် ပြောသည်။

ဆက်လက်၍ မြို့နယ်ပေါင်းစုံ လေးပေါက်တန်း မြန်မာ့ရိုးရာခြင်းလုံးခတ်ပြိုင်ပွဲ မြို့နယ် ၊တ်ဖြင့် တွင် အကောင်းဆုံးဆုရ အင်းစိန်မြို့နယ်အသင်းမှ နေလင်းထွန်း၊ တတိယဆုရ မြောက်ဥက္ကလာပမြို့နယ်အသင်း၊ ဒုတိယဆုရသာကေတမြို့နယ်အသင်းတို့အား ားတွေ တိုင်းဒေသကြီးဝန်ကြီးများက တစ်ဦးချင်းဆုနှင့် ငွေသားဆုများကို လည်းကောင်း၊ ဟမယ့် ပထမဆုရရှိသွားသော အင်းစိန်မြို့နယ်အသင်းအား တိုင်းဒေသကြီးဝန်ကြီးချုပ် ဦးဖြီးမင်းသိန်းနှင့် အမျိုးသားဒီမိုကရေစီအဖွဲ့ချုပ်နာယက သူရဦးတင်ဦးတို့က ဖြိုင်ပွဲ တစ်ဦးချင်းဆု၊ ငွေသားဆုများနှင့် တံခွန်စိုက်ဖလားတို့ကိုလည်းကောင်း ချီးမြှင့်ခဲ့ ၁၀ မျိုး ကန်းလို့ ကြောင်း သိရသည်**။ အေကေလင်း**

6712

မြစိမ်းရောင်စီမံကိန်း တိုးချဲ့ရွာများသို့ ကွင်းဆင်းမိတ်ဆက်

မိုးမောက် ဩဂုတ် စ

ကချင်ပြည်နယ် မိုးမောက်မြို့ကျေးလက် ဒေသဖွံ့ဖြိုးတိုးတက်ရေး ဦးစီးဌာနမှ ၂၀၁၆-၂၀၁၇ ဘဏ္ဍာရေးနှစ် မြို့နယ် အတွင်းရှိ မြစိမ်းရောင်စီမံကိန်းကျေးရွာ ကိုးရွာ(ေယူနစ်)တိုးချဲ့ဆောင်ရွက်မည် ဖြစ်၍ စီမံကိန်းဆိုင်ရာ အကြောင်းအရာ များ မိတ်ဆက်ရှင်းလင်း ပွဲများကို ဩဂုတ် လ ပထမပတ်မှစတင်ကာ ကျေးလက် ဒေသ ဇွံ့ဖြိုးတိုးတက်ရေးဦးစီး ဌာနမှ တာဝန်ရှိသူများက တစ်ရွာဝင်တစ်ရွာ ထွက် ကွင်းဆင်းဆောင်ရွက်ခဲ့ကြောင်း သိရသည်။ **(မြို့နယ် ပြန် / ဆက်)**

တာဝန်ထမ်းဆောင်လျက်ရှိပါသည်။ မစ္စတာ ဟိုင်းဒါ ခရမ် ဒီဗန်လယ်အိုလူသည် အိမ်ထောင်ရှင်တစ်ဦးဖြစ်ပြီး သားသမီးနှစ်ဦး ရှိပါသည်။ အင်္ဂလိပ်ဘာသာနှင့် အီတလီဘာသာစကားတို့ တတ်ကျွမ်းပါသည်။ (သတင်းစဉ်)

မြန်မာ့မီးရထားခရီးသွားပြည်သူများအား အကောင်းဆုံးဝန်ဆောင်မှုပေးရန်စီစဉ်

ရန်ကုန် ဩဂုတ် စ

မြန်မာ့မီးရထားအနေဖြင့် ဂျပန် အပြည်ပြည်ဆိုင်ရာ ပူးပေါင်းဆောင်ရွက် မှုအေဂျင်စီ ဂျိုက်ကာ (JICA) ၏ အကူအညီကိုရယူကာ ခရီးသွားပြည်သူ များအတွက် စိတ်ကျေနပ်မှုကို အပြည့် အဝပေးနိုင်မည့် အကောင်းဆုံးဝန်ဆောင် မှုစနစ်ကို ထူထောင်သွားမည်ဖြစ်ကြောင်း အောက်မြန်မာပြည် အထွေထွေမန်နေဂျာ ဦးထွန်းအောင်သင်းက ပြောသည်။

"ကျွန်တော်တို့ မြန်မာ့မီးရထား အနေနဲ့ ပြည်သူတွေကို အကောင်းဆုံး ပြုလုပ်သွားမည်ဖြစ်ကြောင်း သိရသည်။ ဝန်ဆောင်မှုပေးနိုင်ဖို့အတွက် ရန်ကုန် ဘူတာကြီးအပါအဝင် ဘူတာငါးခုမှာ စတင်ပြီး အကောင်းဆုံးဝန်ဆောင်မှု အစီအစဉ်တွေ ချမှတ်လုပ်ဆောင်သွားမှာ ကောင်းတဲ့ဘူတာတွေကို တိုးချဲ့ဆောင် ရွက်သွားမှာဖြစ်ပါတယ်"ဟု ဦးထွန်း ရထား(အောက်မြန်မာပြည်)ရုံး၌ပြုလုပ် သော ဂျိုက်ကာမှတာဝန်ရှိသူများက မြန်မာ့မီးရထားမှ ရုံပိုင်တာဝန်ရှိသူများ ကြားသည်။ **သတင်း-မြင့်မောင်စိုး**

ပြောကြားသည်။ ခရီးသွားပြည်သူများအား အကောင်း ဆုံးဝန်ဆောင်မှုပေးနိုင်ရန် JICA အနေ ဖြင့် ရန်ကုန်၊ အင်းစိန်၊ တညင်းကုန်း၊ မင်္ဂလာဒုံနှင့် ပဲခူးတို့မှ မြန်မာ့မီးရထား ဝန်ထမ်းများအား ဩဂုတ် ဓ ရက်နှင့် ၉ ရက်တို့တွင် သင်တန်းများပေးအပ်ခြင်း ဖြစ်ကြောင်း၊ ယင်းဘူတာများကို စံပြ အဖြစ်သတ်မှတ်ပြီး တစ်နိုင်ငံလုံး ဘူတာ များ ၀န်ဆောင်မှုအကောင်းဆုံးဖြစ် အောင် ပြုပြင်ပြောင်းလဲမှုများ စတင်

မြန်မာ့မီးရထားအား ခေတ်မီဖွံ့ဖြိုး တိုးတက်လာစေရေးအတွက် အခြေခံ အဆောက်အအုံများ(မီးရထားဘူတာ၊ သံလမ်းပိုင်း၊ ရထားတွဲခေါင်းများ) ဖြစ်ပါတယ်။ ဒီကနေတစ်ဆင့် တစ်နိုင်ငံ ကောင်းမွန်ရုံမျှမက မီးရထားဝန်ထမ်း လုံးမှာရှိတဲ့ ဘူတာတိုင်းမှာ စန်ဆောင်မှု အားလုံးကလည်း ခရီးသွားပြည်သူများ အား စိတ်ကျေနပ်မှုအပြည့်အဝရရှိစေ ရန် အကောင်းဆုံးဝန်ဆောင်မှုများ ဖြည့် အောင်သင်းက သိမ်ဖြူလမ်းရှိ မြန်မာ့မီး ဆည်းပေးရန်လိုအပ်ကြောင်း ဂျိုက်ကာ မှ မြန်မာနိုင်ငံဆိုင်ရာ မီးရထားမူဝါဒ အကြံပေး မစ္စတာ မီဆုအိုဟီဂါရီက ပြော



"First of all GM of lower Myanmar; Mr. Htun Aung Thin said we; Myanma railway has coordinated with JICA and has getting supporting from JICA to get a good customer service and customer satisfaction.

At the workshop which is supported by JICA to Myanma Railway's staff to give and apply a good customer service Mr. Htun Aung Thin said that "our Myanma Railway including Yangon station and other 5 stations will start that plan and then the rest stations will be used this plan station by station".

To support a good customer service to the public JICA give the training at 8th and 9th August, 2016 and in this training Myanma railway staff from Yangon station, Insein, Danyingone, Mingalardone and Pago station come and attend. After that all stations of Myanmar will be improved and promoted.

Mr. Mitsuo Higashi who is advisor of Policy of Myanma Railway from JICA said that to get the international standard and improvement of Myanma Railway not only changing the basic foundation such as track, locomotive, station but also giving a better customer service and customer satisfaction."

4.2 The Standard Time Daily (October 12, 2016)



"Interview for railway customers"

MR and JICA together had a customer interview in Yangon Station to improve service Lower Myanmar GM said "We are service occupation for the people. We have held service training to 40 employees since August. And this interview should be a benchmark for what we could do"

"Taking results of the interview, we intend to realize service improvement"

4.3 DEMOCRACY Today (October 12, 2016)

မြန်မာ့မီးရထားလုပ်ငန်းများ၏ စီမံခန့်ခွဲရေးနည်းလမ်းများဆောင်ရွက်နိုင်ရန် စစ်တမ်းကောက်ခံခြင်းနှင့်ပတ်သက်ပြီး သတင်းစာရှင်းလင်း



ဖြန်မာ့မီးရထားလုပ်ငန်းများ၏ စီမံခန့်ခွဲရေးနည်းလမ်းများကိုဆောင်ရွက်နိုင်ရန် စစ်တမ်းကောက်ခံနေစဉ်။ စာတံပုံ-အေးချမ်းကိုကို

သွားပြည်သူများ၏ ဆန္ဒသဘောထား တောင်းခံကာ မြန်မာ့မီးရထားလုပ်ငန်း များ၏ စီမံခန့်ခွဲရေးနည်းလမ်းများကို ဆောင်ရွက်နိုင်ရန် အောက်တိုဘာ ၈ ရက်မှစတင်ကာ စစ်တမ်းကောက် နဲ့ရယူပြီး အကောင်းဆုံးသောနည်း ခံလျက်ရှိကြောင်း မြန်မာ့မီးရထား လမ်းတွေကိုရှာဖွေပြီး ဆောင်ရွက်ပေး လုပ်ငန်းမှ သိရသည်။ စစ်တမ်း ကောက်ခံခြင်းကို မြန်မာ့မီးရထား လုပ်ငန်းနှင့် ဂျပန်နိုင်ငံ JICA အဖွဲ့ အစည်းတို့ ပူးပေါင်းဆောင်ရွက်ခြင်း ဖြစ်ကြောင်း သိရသည်။

မြန်မာ့မီရထားလုပ်ငန်းအောက် မြန်မာပြည်အထွေထွေမန်နေဂျာ သန့်စင်ခန်းများ၊ ရေရရှိမှုအဆောက် ဦးထွန်းအောင်သင်းက" စီခံခန့်ခွဲမှု အအုံများအပါအဝင် လက်မှတ်ဝယ် လုပ်ငန်းတွေကို ဆောင်ရွက်နိုင်ဖို့အ ယူရာတွင် ခက်ခဲမှုရှိခြင်း၊ ရထားအ

ရန်ကုန်၊ အောက်တိုဘာ ၁၁–ခရီး တွက်ပြည်သူရဲ့ ဆန္ဒသဘောထားကို တောင်းခံပြီး တော့လုပ်မှာပါ၊ ဒီအပြင် ဘာတွေ ဝန်ဆောင်မှုပေးစေချင်လဲ၊ ဘာတွေအခက်အခဲရှိလဲ စသည်အား ဖြင့် အချက်ပေါင်းများစွာပုံစံလေးတွေ သွားမှာပါ"ဟု အောက်တိုဘာ ၁၁ ရက်တ ရန်ကုန်ဘူတာကြီးတွင်ပြု လုပ်သည့် သတင်းစာရှင်းလင်းပွဲတွင် ပြောသည်။

ရထားများသွားလာရာတွင် ပလက်ဖောင်းများ မကောင်းခြင်း၊ သန့်စင်ခန်းများ၊ ရေရရှိမှုအဆောက် ခိုန်မမှန်ခြင်းစသည့်အချက်များအား ခရီးသွားပြည်သူများတောင်းခံလျက် ရှိကြောင်းသိရသည်။

"စီမံခန့်ခွဲရေးနည်းလမ်းတွေ ကို ဆောင်ရွက်နိုင်ဖို့အတွက် JICA ကဦးဆောင်ပြီး ကျွန်တော်တို့အပါအ ဝင်၊ တိုင်းအရာရှိတွေ၊ ဝန်ထမ်းတွေ နဲ့ ဆောင်ရွက်တာဖြစ်ပါတယ်။ ကိုယ့် ဝန်ထမ်းတွေ ဘယ်လောက်အထိ ပြည်သူတွေအပေါ် မှာ စီမံခန့်ခွဲနိုင် ပြီလဲ၊ ဝန်ဆောင်မှုတွေပေးနိုင်ပြီလဲ ဆိုတာကို ရထားစီးခရီးသည်တွေ ဆီကနေ ကျွန်တော်တို့ဝန်ဆောင်မှု တွေရဲ့ သုံးသပ်ချက်ကို ပြန်လည်စစ် တမ်းကောက်တာပါ" ဟု ၎င်းက ဆက်လက်ပြောသည်။

မြန်မာ့မီးရထားလုပ်ငန်းများ အနေဖြင့် ဘူတာတိုင်းတွင် တစ်လ တစ်ခါ ခရီးသွားပြည်သူ၏အပေါ် ဆန္ဒသဘောထားကိုတောင်းခံကာ စစ်တမ်းကောက်ခံသွားမည်ဖြစ်ပြီး ပြည်သူတို့လိုလားသည့် ဝန်ဆောင် မူလုပ်ငန်းများအား နိုင်ငံတော်မှ ဘတ်ဂျက်တောင်းခံကာ ဆောင် ရွက်ပေးသွားမည်ဖြစ်ကြောင်း သိရ သည်။

ရန်ကုန်မြို့တာမွေမြို့နယ်တွင် နေထိုင်သူ ကိုအောင်နိုင်က "အခု အစ်ကိုက မော်လမြိုင်သွားမလို့၊ ရထားဝန်ထမ်းတွေမေးလို့ ဖြေပေး တာပါ။ ရထားဘူတာတွေအပေါ် မှာ ဘယ်လိုမြင်လဲ၊ ဝန်ထမ်းတွေရဲ့ ဆက်ဆံရေး၊ လက်မှတ်ရောင်းတာ၊ လက်မှတ်တွေစစ်တာ ကျွေနပ်လား၊ မကျေနပ်ဘူးလား၊ သူတို့တွေဘက် က ဘယ်လိုမှိုးတွေပြုပြင်ပြောင်းလဲ ဖို့လိုမလဲ အဲ့ဒါတွေမေးတာပါ။ မြို့ ပတ်ရထားလက်မှတ် ဝယ်ရတာတော့ အဆင်ပြေပါတယ်။ နယ်ဘက်ကို သွားတွဲလက်မှတ်တွေ ဝယ်ရတာခက် တယ်။ နောက်ပြီး အချိန်တွေမမှန် ဘူး၊ သန့်စင်ခန်းကောင်းကောင်း လေး ထားပေးစေချင်တယ်လို့ အစ်ကို ကတော့ ပြောခဲ့တယ်" ဟု ပြော သည်။

ACKK

"Research for better management of MR"

DEMUCRACY today 1%2

MR and JICA together are now researching for customer oriented management GM said "We are trying to hear customers' voice to better management. For that purpose, JICA, division managers, and employees are working together"

A Customer said "I hope that purchasing tickets for long distance trains, accuracy of timetables, and restrooms will improve"