

Comprehensive Study of Fukuoka Airport Public Involvement (PI) Report Step 3



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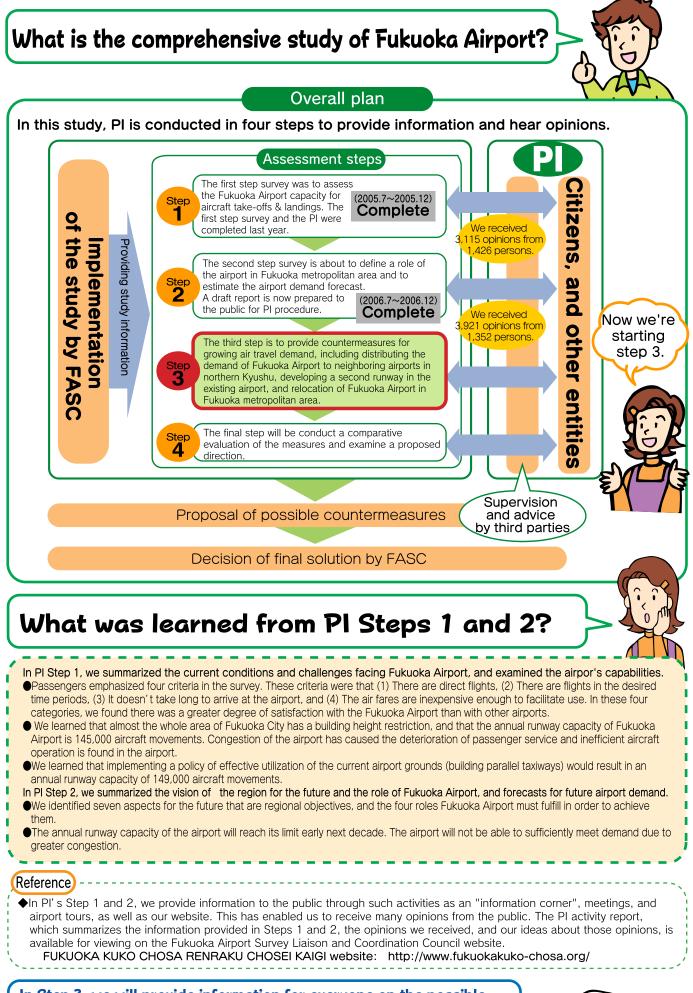
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PI (Public Involvement)

This method is for fully disclosing the information in the survey to the public, and to move forward with our examination while incorporating public opinion.

The national government, Fukuoka Prefecture and City of Fukuoka organized FUKUOKA KUKO CHOSA RENRAKU CHOSEI KAIGI(Fukuoka Airport Study Commission, FASC) to conduct a comprehensive study addressing the problem of overcrowding at Fukuoka Airport. The questions involve the extent to which the current Fukuoka Airport can handle the increased airport demand forecast for the Fukuoka metropolitan area in the future, and what solutions are required for the future. We are conducting a wide-ranging survey of these and other questions, as well as considering the measures required to deal with them.

FUKUOKA KUKO CHOSA RENRAKU CHOSEI KAIGI (Fukuoka Airport Study Commission)

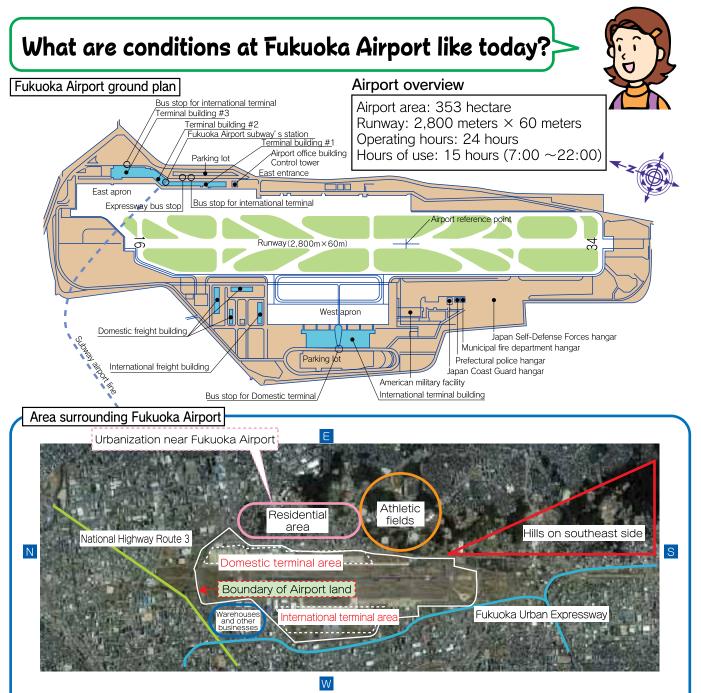


In Step 3, we will provide information for everyone on the possible measures for dealing with future demand and the viewpoints for evaluating the alternatives.



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1. Foreword

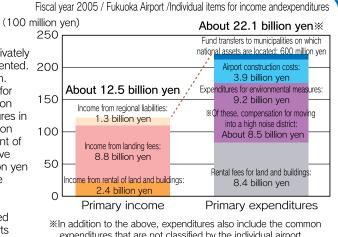


Area surrounding Fukuoka Airport: Urbanization is progressing in the area around Fukuoka Airport. Surrounding the immediate vicinity is a residential area, offices, Fukuoka Urban Expressway, National Highway Route 3, and hills.

Reference

Regarding individual items for income and expenditure by Fukuoka Airport

- The area of the airport is 353 hectares, but 109 hectares are privately owned and seven hectares are owned by the city. That land is rented. 200 The amount of rent paid in fiscal 2006 was about 8.4 billion yen.
- Expenditures for environmental measures include compensation for moving into a high noise district and the funds for sound insulation work. The total amount of expenditures for environmental measures in fiscal 2005 was about 9.2 billion yen, and of this about 8.5 billion yen was for moving into a high noise district. The average amount of annual expenditures for environmental measures over the past five years was about 6.0 billion yen. Of that amount, about 5.3 billion yen per year was spent in compensation for moving into a high noise district.
- A breakdown of individual items for income and expenditures by Fukuoka Airport in fiscal 2005 shows that expenditures exceeded income. The common operating expenses for all domestic airports were omitted from the calculations.

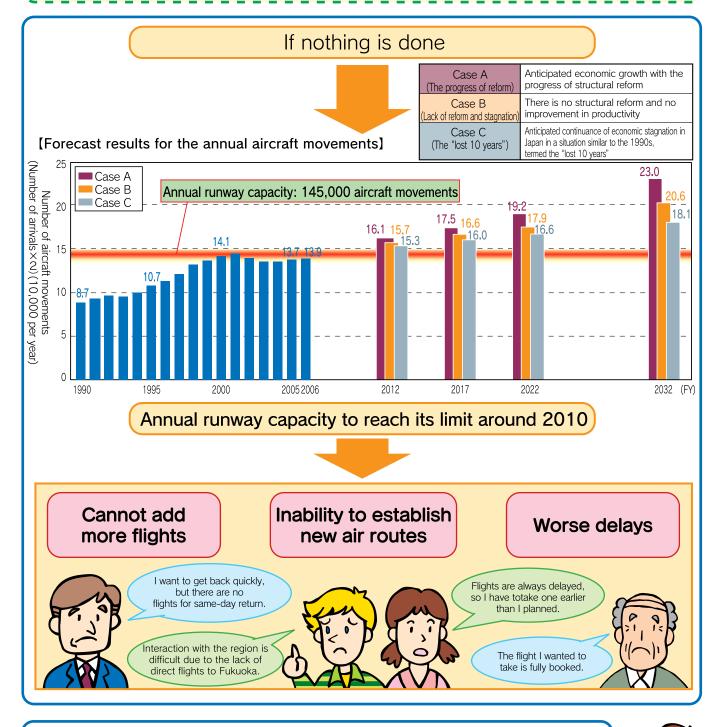


expenditures that are not classified by the individual airport. (Total special account for airport construction: 126.6 billion yen) What happens if we don't do anything?

Restriction on the use of Fukuoka Airport have already begun to emerge. It would be difficult to add flights during the hours of peak use: 9:00 a.m. to noon and 5:00 to 8:00p.m.

•PI's Step 2 anticipates that the annual runway capacity for the airport will reach its limit around 2010.

- ●If no steps are taken, Fukuoka Airport will be unable to meet the demands of its users. These include supporting the expansion of international and domestic interaction, promoting improvements in services
- and supporting airport demand, supporting fast, inexpensive, and comfortable movement, and supporting
- the independent growth of Fukuoka and Kyushu. This will have an effect on user convenience and the
- achievement of regional aspirations in the future.



If nothing is done, Fukuoka Airport will fail to serve the need of passengers and the region. We must think about solution to these problems.



What measures do we have to solve these problems?

In response to forecasts of supply and demand problems in the future, the December 2002 report of the Aviation Subcommittee for the Transportation Policy Council declared it was necessary to proceed with comprehensive surveys of the following: (1) the effective use of existing assets, (2) distributing the demand of Fukuoka Airport to neighboring airports, (3) substantial improvement of the airport, including relocation and developing a second runway.

The June 2007 report by the same subcommittee declared that in light of the results of the comprehensive surveys, it was necessary to devise policies for appropriately responding to the future demand. These were to include facility construction for substantially improving airport capacity. In regard to **policies for the effective use of the existing assets**, we examined the possibility of making parallel taxiways. Therefore we will examine three measures.

Measures



•We studied restricting the use of Fukuoka Airport and promoting demand at neighboring airports, with consideration of the location of three airports in northern Kyushu and other examples of operations at multiple airports.

Policies to substantially improve airport capacity

(2) Developing a second runway at the existing airport

•We examined typical airport layouts which developed a second runway east or west of the current runway. We also examined the placement of airport facilities if the space between runways were narrow due to changes in the surrounding area.

(3) Relocation of Fukuoka Airport

•We examined potential positioning of runways, considering such factors as topography, airspace and noise, and selected sites.



Improving access to neighboring airports

Adding a second runway

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Building a new airport

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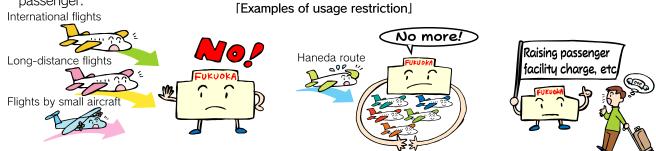
(1) Distributing the demand of Fukuoka Airport to neighboring airports

In regard to distributing the demand of Fukuoka Airport to neighboring airports, we referred to examples of operations at multiple airports both in Japan and overseas. We examined possibilities from perspectives of "restricting use" and "promoting demand", taking into consideration the location of airports in northern

- Kyushu and their characteristics.
- •Two important characteristics of Fukuoka Airport are the great distance between it and other neighboring airports, and that most of its passengers either live in or are visiting the Fukuoka area.
- •The restriction of use inconveniences passengers and prevents the Fukuoka metropolitan area from acting as a major transport hub and is thus not a viable option.
- Promoting demand would have only a minimal impact on alleviating the tightness of the supply-demand balance, so this is not possible as a large-scale measure.

Restricting use of Fukuoka Airport

Restricting use is a method to transfer the demand of Fukuoka Airport to neighboring airports.
 Some examples of usage restriction would limit international and long-distance flights, and flights by small aircrafts; limiting the number of flights on routes with high demand; and increasing the liabilities of the passenger.

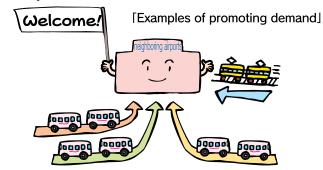


□This would run counter to the trend toward aviation deregulation, and would be difficult to implement as an aviation policy. Even if incoming flights and the number of flights on individual routes were limited, under market principles, it is by no means certain that the routes and flights for which usage were limited would shift from Fukuoka Airport to neighboring airports.

□Moving routes and flights to neighboring airports would have the following serious drawbacks for users and communities in the Fukuoka metropolitan area. It would be inconvenient for the users in the Fukuoka metropolitan area. It would restrict interaction with other areas. Northern Kyushu would lose its function as the regional hub.

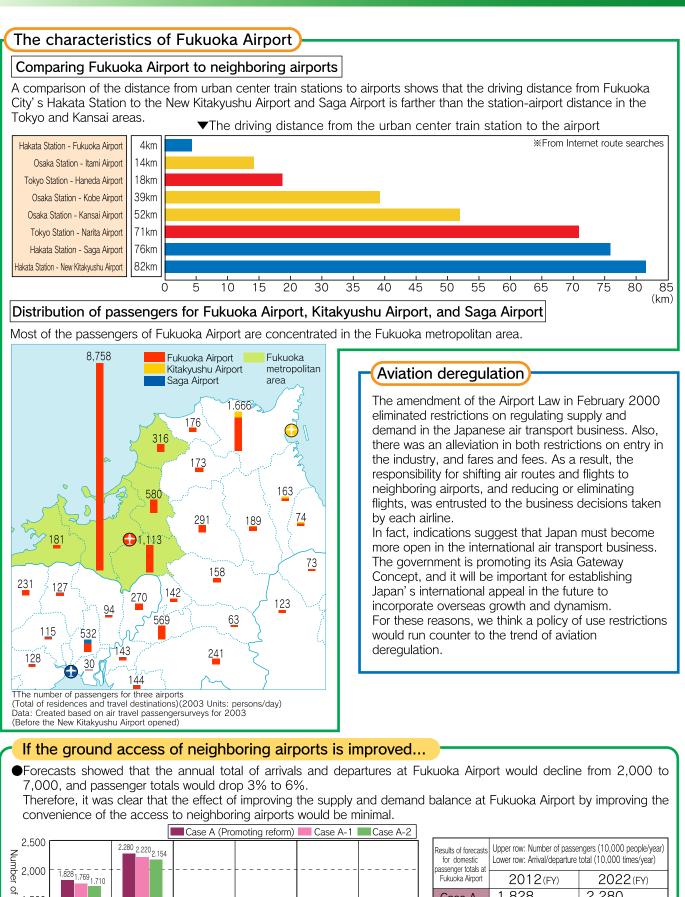
Promoting the demand at neighboring airports

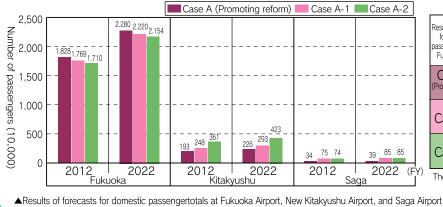
Promoting demand by leveraging the characteristics of regional airports is a method to promote the transfer of demand from Fukuoka Airport and utilize neighboring airports based on market principles.
 Some examples of promoting demand would include improving access to nearby airports, building the infrastructure for that access, reducing the liabilities on users, and implementing a multi-airport policy. The latter would include a system of uniform fares and the elimination of fees at neighboring airports.



This would have only a minimal effect on ameliorating the tightness of supply and demand at Fukuoka Airport.

The burden of costs and corporate profitability would be a problem.





Results of forecasts for domestic passenger totals at Fukuoka Airport	Upper row: Number of passengers (10,000 people/year) Lower row: Arrival/departure total (10,000 times/year)		
	2012(FY)	2022(FY)	
Case A (Promoting reform)	1,828	2,280	
	14.0	15.8	
Case A-1	1,769 (59)) 2,220 (60)	
	13.8 (0.2)) 15.7 (0.1)	
Case A-2	1,710 (118)	2,154 (126)	
	13.3 (0.7)) 15.5 (0.3)	

The numbers in parentheses indicate the difference from Case A
The effect of ameliorating the tight supply
and demand balance at Fukuoka Airport

(2) Developing a second runway at the existing airport

Conditions for examining the options to develop a second runway

There were several factors that had to be considered when examining the options to develop a second runway at Fukuoka Airport. These included the impact of the surrounding area, including the hilly section to the southeast of the airport and Fukuoka Urban expressway. Other factors included the convenience of the passengers, construction costs, and runway capacity. Moreover, other factors, including the length of a second runway, the amount of space between it and the existing runway, and the placement of the second runway, must be considered as parts of a whole, and considerations change for each different option. Therefore, it is necessary to examine this issue comprehensively from several different perspectives. In view of this, the conditions for examining options were established with existing domestic situations and current standards were used as a reference.

[Examination conditions]

Runway length: Current runway, 2,800meters; second runway, 2,500 meters Runway placement: Parallel to the existing runway (Close parallel) Space between runways: 300 meters or 210 meters Approach procedure: Precision approach procedure or non-precision approach procedure

- In regard to the current runway, we will maintain its length of 2,800 meters. A 3,000- meter runway is the ideal for
- creating an international aviation network. But extension of the existing runway is of lower priority than the proposal for developing a second runway, a policy that would significantly improve capacity.
- In principle, a second runway would have to be 2,500 meters long to enable takeoffs and landings of large aircraft for domestic flights.
- In principle, the distance between the two runways would be 300 meters so that planes landing or taking off would not interfere with large aircraft waiting on the other runway. We also considered a distance of 210 meters, which is the shortest distance between runways in Japan (at an airport now under construction). Large aircraft waiting on one runway would interfere with planes taking off or landing on the other runway, however.
- In principle, a precision approach procedure will be adopted, which enables landings using guidance systems even in bad weather. We also examined the nonprecision approach, which would render landings difficult in bad weather, because it reduced the impact on the surrounding area.

Explanation: Parallel runways

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Generally speaking, there are two types of parallel runways: open parallel runways and close parallel runways.

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Open parallel runways have large spaces between them, which enables them to be operated independently of each other. Usually, the terminal area is placed between runways. If one runway is only used for takeoffs and the second only for landing, the total capacity of the two runways will be only 1.6 times that of single runway. On the other hand, if both runways are used for takeoffs and landings, the total capacity will be 2.0 times that of single runway, though, in both cases, runway capacity differs depending on terminal placement.

In contrast, close parallel runways have narrower space between them. This enables overall size of the airport to be reduced, but this will have an effect on the use of the other runway. The total runway capacity of close parallel will be 1.3 times that of single runway, depending on the terminal placement.

Narita and Haneda airports are examples of open parallel runways, and Osaka International and New Chitose airports are examples of close parallel runways (with 300 meters distance), Hyakuri Airbase (Ibaraki Airport), under construction, is an example of close parallel runways (with 210 meters distance).



An example of open parallel runways: Haneda Airport

Examples of close parallel runways



New Chitose Airport

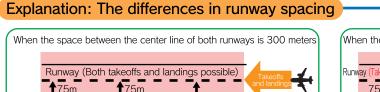


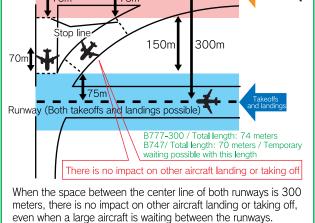
Osaka International Airport

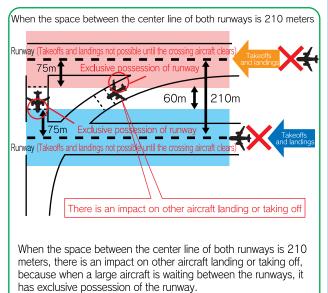


Hyakuri Airbase(Artist's conception aftercompletion)

Photographs: Tokyo Regional Civil Aviation Bureau, Osaka Regional Civil Aviation Bureau websites







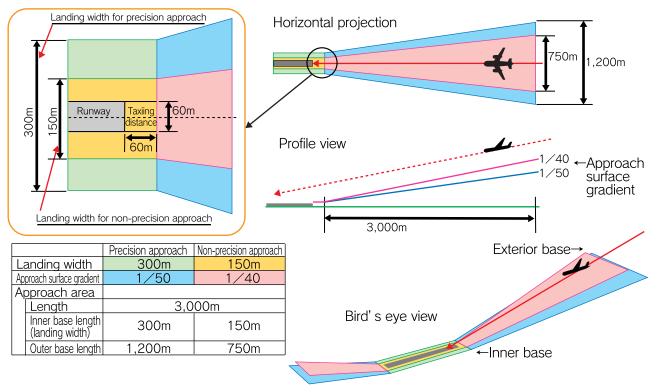
Explanation: What is precision approach and non-precision approach?

Precision approach is a procedure of approach using instrument flight in which an aircraft can receive instructions from two types of guide beams (approach direction for the aircraft and descent path). An aircraft can approach and land even during bad weather by following a designated course.

The non-precision approach procedure refers to an approach other than precision approach when approaching using instrument flight. It is an approach and landing in which instructions are received for approach direction or location information. Therefore, it cannot be used in bad weather.

The Aviation Law provides for the approach area and the plane of approach that should be used during both precision approach and non-precision approach. The size of the twodimensional surface and the plane's angle of descent differ in both cases.

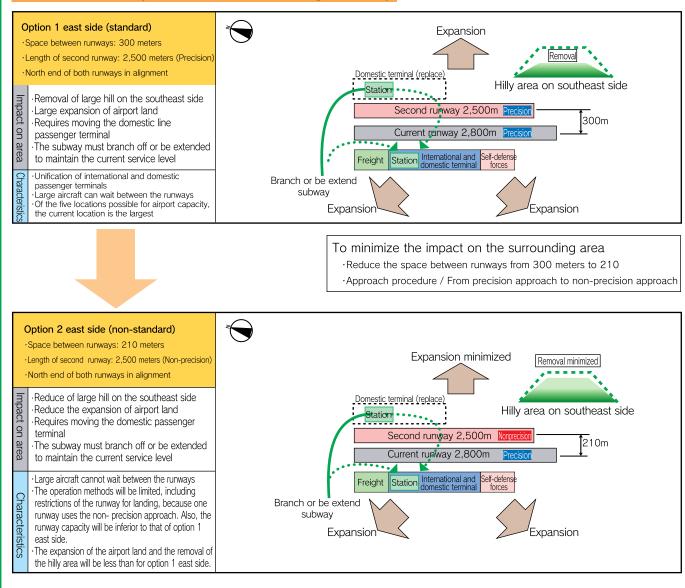
With the precision approach, it is possible to approach and land when visibility is poor due to bad weather. The landing width and entry area required to maintain aircraft safety are larger than with the nonprecision approach, so there is a major impact on the surroundings due to the limited surface area.



Considerations for the airfield layout

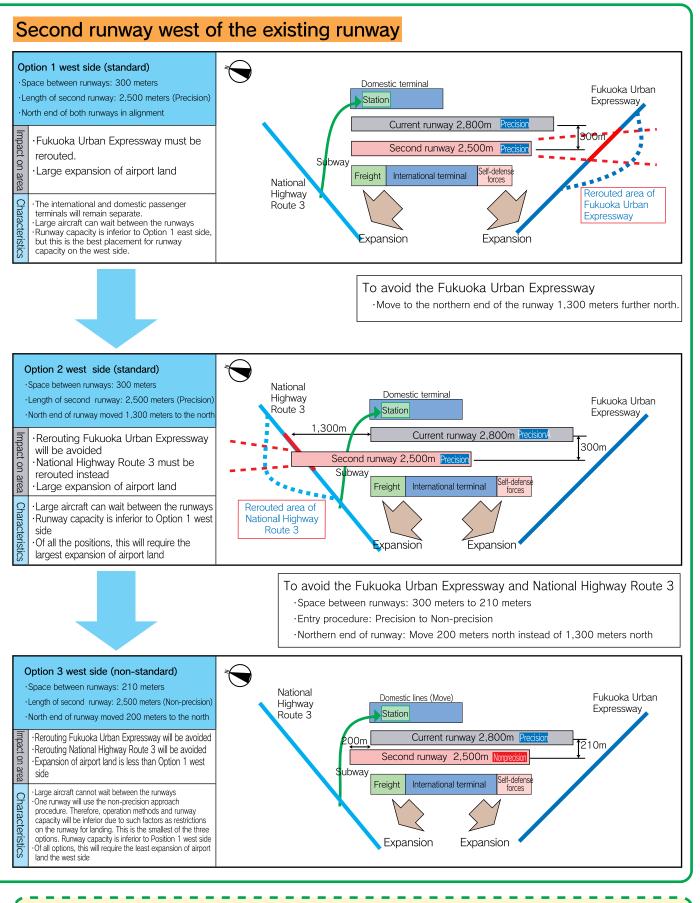
Based on the conditions for examining the options for a second runway, we considered the airfield layout.

Second runway east of the existing runway

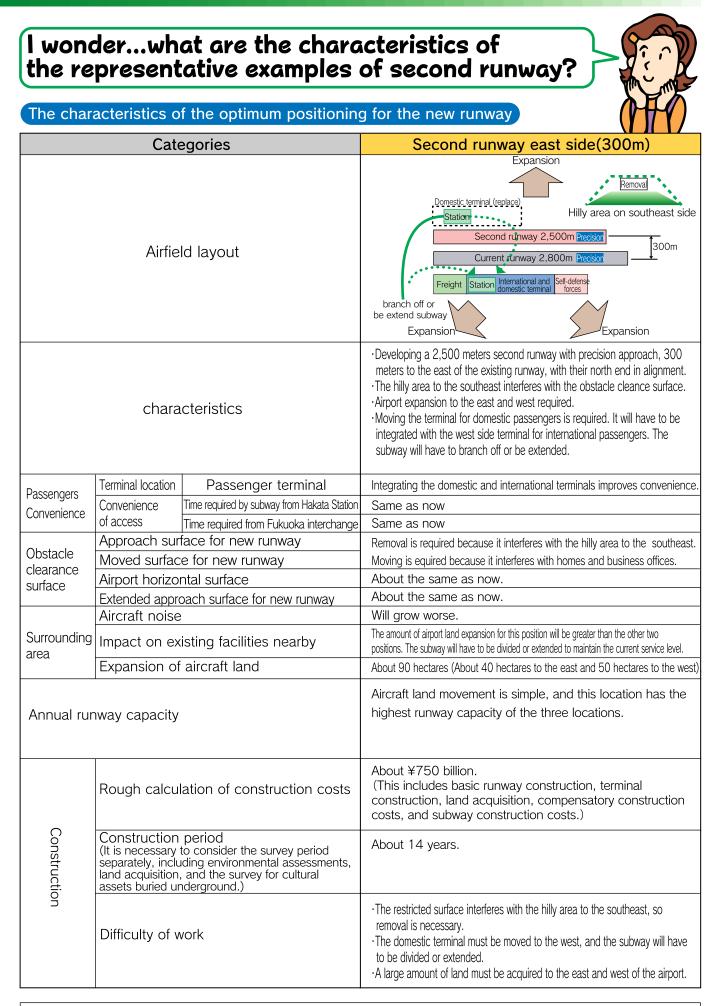


These are examinations of the standard placement, in which a 2,500-meter precision approach runway will be placed 300 meters apart from the existing runway either to the east or to the west, or placement to minimize the impact on the surrounding area, which is a problem with the previous placement. In addition, we will examine in detail in the future the length of the new runway (2,000 to 2,500 meters) and its placement from the perspective of minimizing the impact on the surrounding area, reducing construction costs, and runway capacity.

*The calculation of the runway capacity will require an examination in conformity with actual operation, taking into consideration trends for future aircraft materials and the complexity of controlling multiple runways.



Of all the possibilities, we select the option 1 east side (standard), the option 1 west side (standard), and option 3 west side (non-standard), which minimize the impact on the surrounding area, as representative examples to examine. On the next page, we show the characteristics of each.



%The rough calculation of construction costs is for those construction costs involved in developing a second runway. A proposal to develop a second runway will require separate expenditures for environmental measures. The average expenditures for environmental measures from 2002 to 2006 were ¥6 billion annually. The rental fees for land and buildings were ¥8.4 billion annually. Refer to page 2 for details. It also must be taken into consideration that the expenditures for environmental measures will cost more than at present if a new runway is deveped.

Second runway west side(300m)	Second runway west side (210m)	
Domestic terminal Station Current runway 2,800m Precision Subway Freight International terminal Highway Route 3 Expansion Freight Expansion Freight Expansion Freight International terminal Freight Expansion Freight Expansion Frei	National Highway Route 3 Domestic terminal Station Current runway 2,800m Precision Second runway 2,500m Norrecsion Subway Freight International terminal Self-defense torces Expansion Expansion Fukuoka Urban Expressway	
 Developing a 2,500 meters second runway with precision approach, 300 meters to the west of the existing runway, with their north end in alignment. The restricted surface will interferes with the urban expressway. Requires an expansion of land to the west of the airport. 	 Developing a 2,500 meters second runway with precision approach, 210 meters to the west of the existing runway, positioning 200 meters north. Fukuoka Urban expressway and National Highway Route 3 will not interfere with the runway. This runway requires a small expansion of land to the west of the airport. 	
The domestic and international terminals will be separate, as is the case today.	The domestic and international terminals will be separate, as is the case today.	
Same as now	Same as now	
Same as now	Same as now	
There will be interference with Fukuoka Urban Expressway, requiring rerouting. There will also be interference with homes and offices, and they must move.	There will be interference with homes and offices, and they must move.	
About the same as now.	About the same as now.	
About the same as now.	Not fixed, because precision approach will not be used	
Will grow worse.	Will grow worse.	
Less land for expansion is required in comparison to the east side position. Fukuoka Urban Expressway must be rerouted.	Less land for expansion is required for this position than the other two positions.	
About 60 hectares on the west side.	About 30 hectares on the west side.	
The runway capacity will be smaller than the east side position because the passenger terminals will be separated into east and west, complicating aircraft ground movement.	The new runway will use non-precision approach, resulting in operational restrictions in bad weather. The passenger terminals will be separated into east and west positions, and large aircraft will not be able to wait between runways. This will complicate aircraft ground movement. As a result, the runway capacity for this position is the lowest of the three positions.	
About ¥500 billion. (This includes basic runway construction, terminal construction, land acquisition, and compensatory construction costs, such as rerouting the municipal expressway.)	About ¥250 billion. (This includes basic runway construction, terminal construction, land acquisition, and compensatory construction costs.)	
About 10 years.	About 8 years.	
 Fukuoka Urban Expressway will interfere with the restricted surface, necessitating rerouting. A large amount of land to the west of the airport must be acquired, but the amount is still less than that for the east side position. 	 Land to the west of the airport must be acquired, but the amount is the least of the three positions. 	

Such issues as the length of the new runway (2,000 to 2,500 meters) and its location will be examined in detail later from the perspectives of reducing the impact on the surrounding area, reducing construction costs, as well as the options for runway capacity.

(3) Relocation of Fukuoka Airport

The characteristics of the measure and preconditions for screening potential zones

This would eliminate several problems and challenges facing the existing airport, including aircraft noise, land rental, restriction for midnight flights, and building height restrictions. Also, the effective use of the existing airport site after relocation could create new urban functions and an integrated urban areas.

The following are preconditions for relocation.

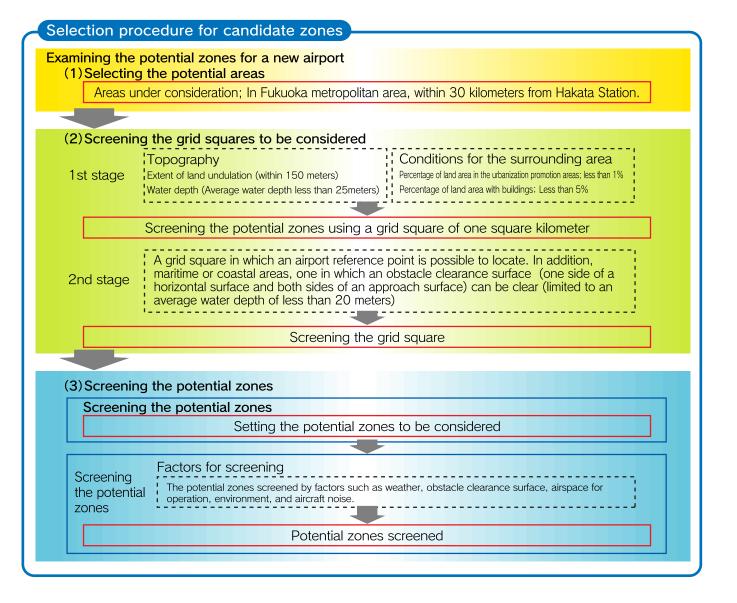
Each runway length of 3,000 meters.

Two runways to provide sufficient capacity and flexible operations in emergencies.

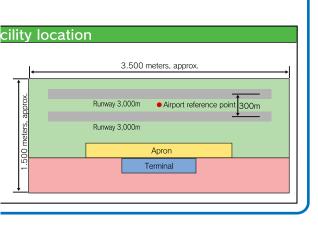
•Two runways locate 300 meters apant for precision approach.

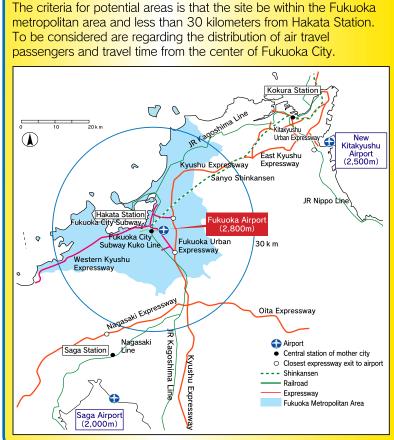
Future considerations could cause a change in these preconditions.

Preconditions		F	
Facilities	Factors	Specification	
	Total	Two parallel runways (close parallel)	The right draft shows the layout of
Runways	Layout	3,000meters each	the facilities based on the preconditions
	Separation	300meters each	
Taxiways		Construction of double parallel taxiway and aprons	
Aprons			
Passenger facilities			
Roads - Parking lots	Facility Size	Adequate scale or space	
Freight handling facilities			
Aviation safety facilities			
Others			



The range for the potential areas considered





Result of grid square screening

1st stage

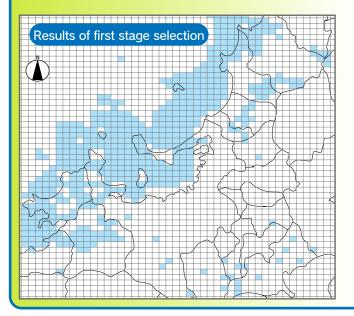
The selections of the grid squares for consideration must meet four conditions (1)A land undulation of less than 150 meters, (2)An average water depth of less than 25 meters, (3)A land area percentage in an urbanization promotion area of less than 1%, (4)A land area percentage with buildings of less than 5%.

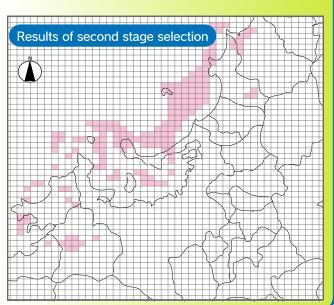
2nd stage

We screened grid squares in which an airport reference point is possible to locate.

In addition, in maritime or coastal areas, it is also important to select land for the airport site in which the average water depth is less than 20 meters, and, during this stage, a grid square in which one side of a horizontal surface and both sides of an approach surface can be established.

Those grid squares on the shipping lanes were not considered.

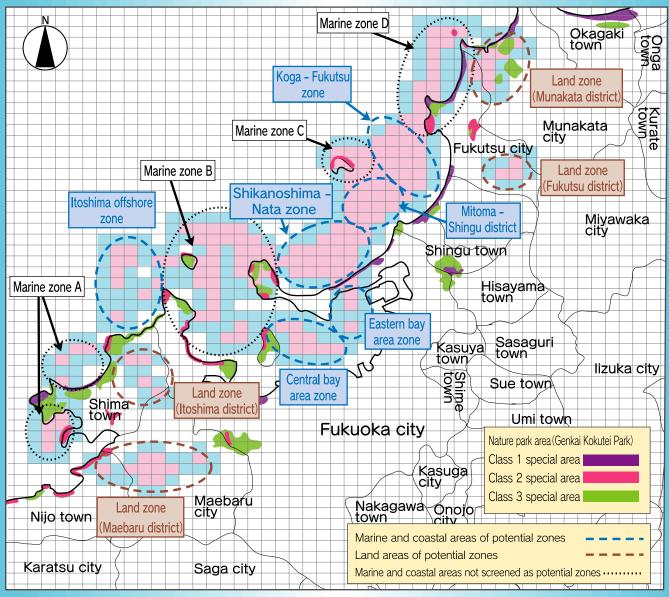




2. Consideration of possible measures to deal with future demand

Setting the potential zones considered

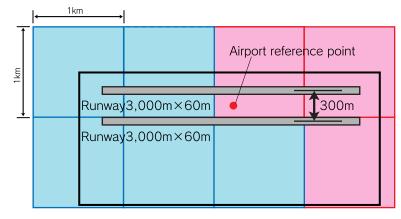
Of the grid squares selected for consideration, Marine Areas A, B, C, and D have been removed from consideration because there was an unavoidable interference with national parks (special areas), and the appropriate operating airspace could not be secured due to surrounding mountains and other reasons. We focused our attention on other maritime and land areas (areas with reefs and beaches), and selected 10 areas for consideration.



Grid

Red grid squares indicate areas in which it is possible to establish an airport reference point (Point centered on the runways)

Blue grid squares indicate areas in which the land area for the airport is about 1.5 kilometers by about 3.5 kilometers, when an airport reference point has been established.



Screened potential zones

The 10 zones under consideration were examined for their possibility of runway location by the following conditions. Potential zones were then screened.

The basic conditions for potential zones

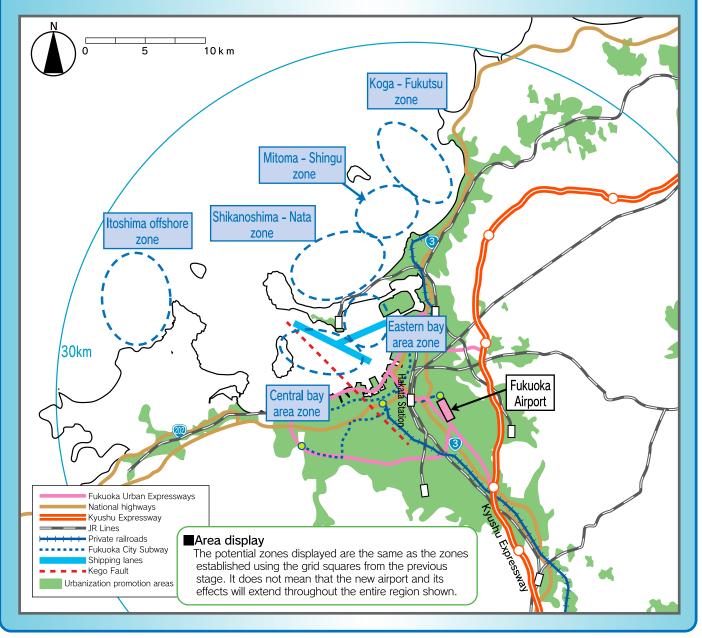
 Wind coverage (the ratio for the allowable crosswind component that is less than 20 knots) exceeding 95% can be obtained

(2) The required obstacle clearance surfaces and appropriate airspace can be obtained

(3) The airport land does not interfere with the land of the Genkai Kokutei Park, and the obstacle clearance surfaces do not require modification of the park's land suface.

(4) The aircraft noise does not extend to the urban districts

The land zones (Munakata, Fukutsu, Maebaru, and Itoshima) were not screened because they did not satisfy such conditions as airspace and aircraft noise.



Explanation

Obtaining wind coverage

Aircraft land and take offs heading into the wind. If crosswinds exceed a specified level, then the aircraft cannot land and take off. The percentage of winds that do not exceed the specified level (the allowable crosswind component) is called wind coverage. The runways must be placed in a direction with large wind coverage. The lowest wind coverage permitted for an airport is at least 95% of the allowable crosswind component, according to ICAO Annex 14.

Obtaining restricted surfaces and access and departure corridors

Restricted surfaces and appropriate access and departure corridors must be obtained to ensure safe aircraft operation. For restricted surfaces, the conditions for an approach surface and a moving surface is that a horizontal surface be obtained for at least one of the two sides. Also, the conditions included obtaining an approach corridor envisioning precision approach procedures, and a safe departure corridor.

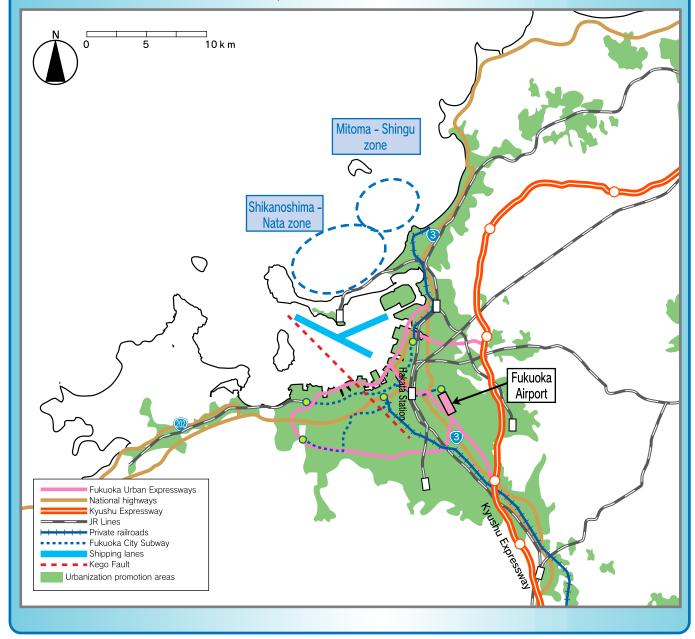
2. Consideration of possible measures to deal with future demand

The examination of six potential zones

Here we look at the current issues involving the six marine zones screened.

- Central bay area zone: Obtaining the required obstacle clearance surface would require placing the airport site directly on Kego fault.
- Eastern bay area zone: Steps to reduce aircraft noise in the urbanized area would affect the facilities of Port of Hakata.
- •Koga-Fukutsu zone and Itoshima offshore zone: Located in deep water areas and far from the center of the city.

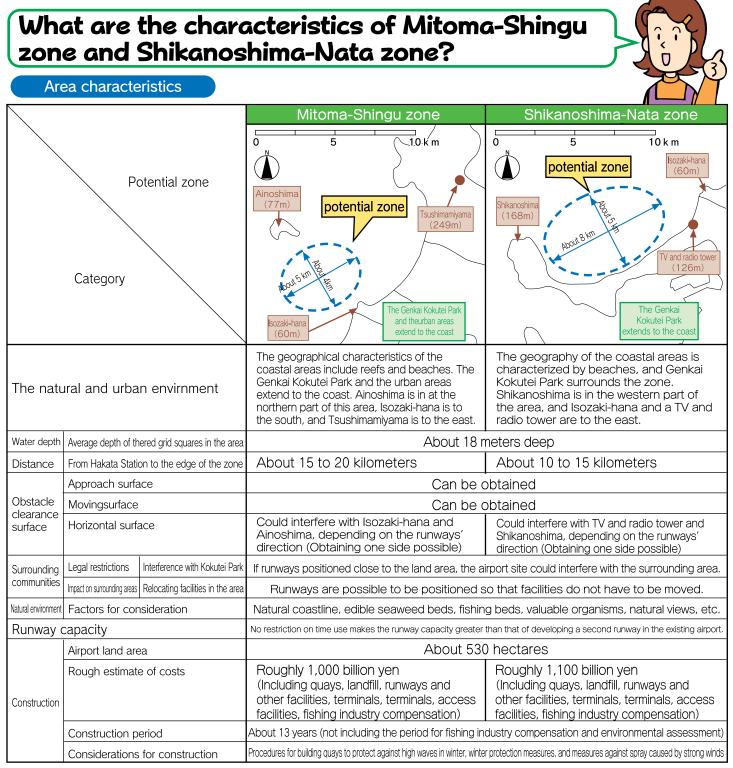
•At present, we think that two zones are possible to locate the new airport site, Mitoma-Shingu zone and Shikanoshima-Nata zone shown in the map below.



Explanation

Kego fault

Kego fault is a confirmed active fault. It runs from near Chikushino City to the northwest, cutting across Hakata Bay. This fault is considered one of the prefecture's primary active fault in the Fukuoka City Disaster Prevention Plan. Also, Also, a long-term evaluation conducted of the fault, issued on March 19, 2007, by the Earthquake Survey Committee of the national government's earthquake survey and research promotion headquarters, reports that the likelihood of a magnitude 7 earthquake occurring within the next 30 years at this location is a maximum of 6%. In Japan this location ranks 10th out of 110 locations on active fault lines, in terms of the likelihood of an occurrence of an earthquake.



%Rough estimate of costs

The rough estimate of costs is the predicted amount that will need to be spent on locating the airport in a shallow area near land. This is subject to change as the examination progresses toward Step 4, the final step.

Toward Step 4

A detailed examination of the area for a new airport will be conducted in Step 4, taking into consideration all opinions offered regarding this step,

Specific airport location

Considerations will be made as to the runway direction (taking wind coverage into account), aircraft noise, and the effect on the seashore contours and the surrounding area. We will indicate a specific location for the airport site.

Wind coverage

The wind coverage at Fukuoka Airport from March 2003 to February 2005 was about 99.8%. A more detailed study of wind coverage must be conducted to examine the direction of the runways.



There are plenty of proposals, but how will one be selected?

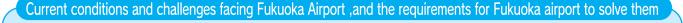


Viewpoints for evaluating the alternatives

The following examination flow chart is the basis for setting the evaluation viewpoints. Examination is conducted by studying the role of Fukuoka Airport, derived from the current conditions and challenges facing Fukuoka Airport, and the vision of the region for the future as studied in PI step 1 and 2.



First, we arranged the key points for the issues regarding the current conditions and challenges facing for Fukuoka Airport, and the requirements for Fukuoka Airport, as examined in PI Step 2.



Current conditions and challenges facimg Fukuoka Airport (Step 1)

The passengers (shippers)
 Emphasis on travel time and operating frequency
 Desired times of use are concentrated in the morning and the evening

OHigh degree of satisfaction based on access

②The regional

OGrowing with the citizens in the area
 OContributing to the regional economy and the life of the citizens

Olmpact on the urban structure and urban environment

③The air transport network

OInterregional flow using the domestic aviation network

OFlow with East Asia using the international aviation network

④The airport facility

Restrictions on capabilities during peak hours
 Fluctuation in air travel demand by day and season
 Airport use restricted from 7:00 a.m. to 10:00 p.m.

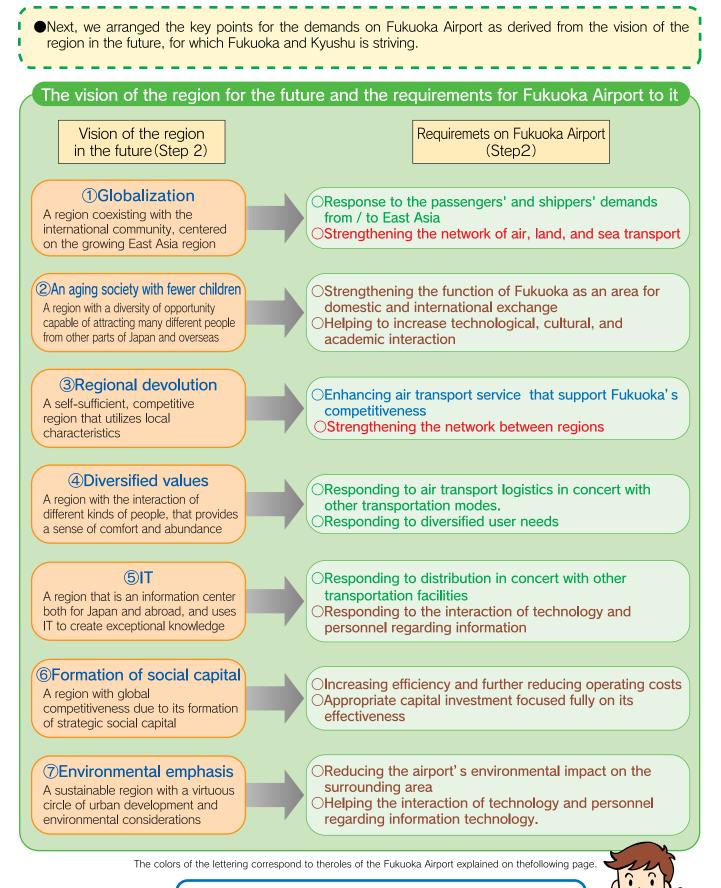
Requirements for Fukuoka Airport (Step 2)

Maintaining and expanding non-stop destinations
 Response to growing frequency on routes
 Obtaining diversified ground access
 Lower airfares

 Enhancement of the economy of Fukuoka and Kyushu
 Efforts for environmental measures, including aircraft noise
 Efforts for aviation safety

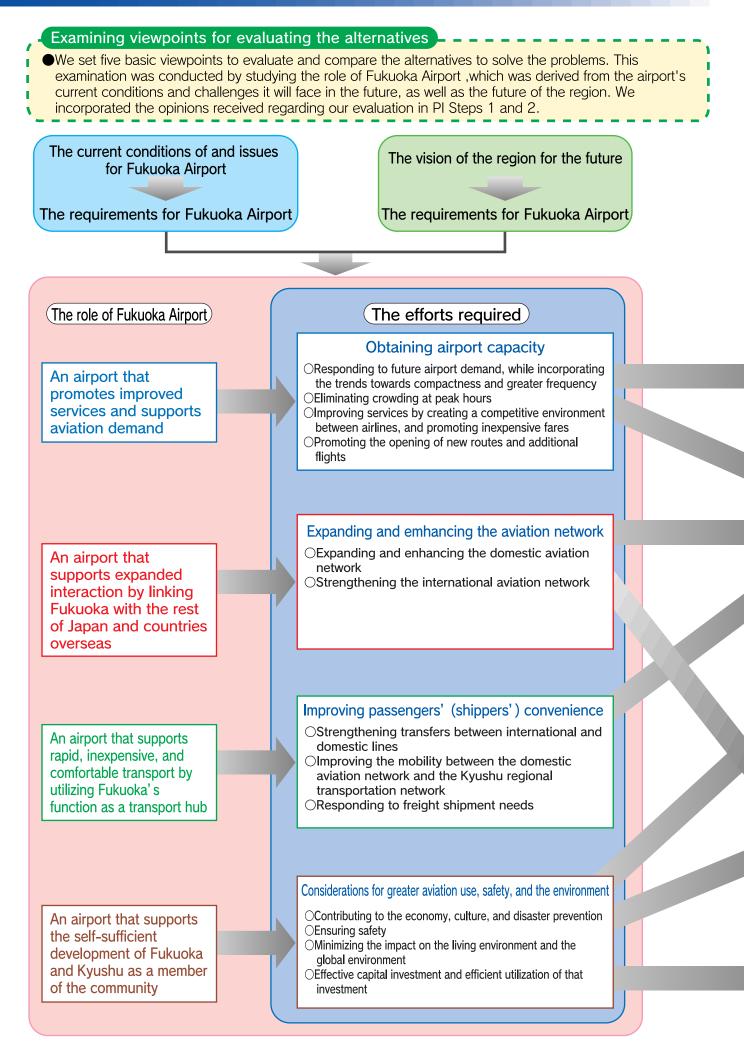
OFurther enhancing the international and domestic network

OFurther enhancing the international and domestic network



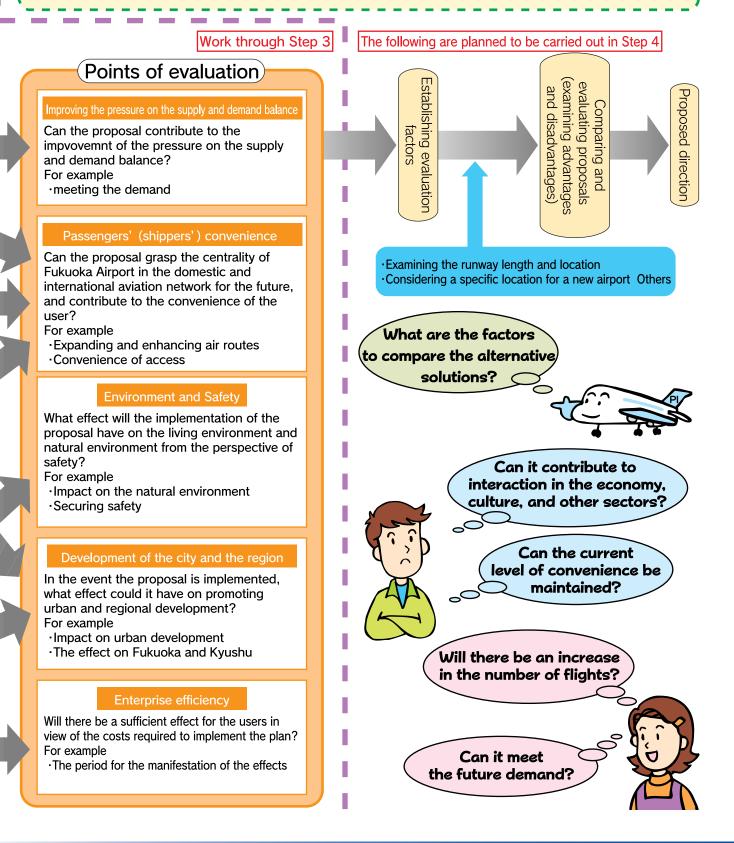
We can determine the role of Fukuoka Airport by examining these demands.

3. Consideration of the viewpoints for evaluating the alternatives



Provisional content to be examined in Step 4

- •We will establish evaluation factors to qualitatively and quantitatively examine and compare policies for the future, incorporating the options we received regarding the evaluation perspectives shown here.
- •We will conduct an examination as shown below regarding the sweeping measures regarding the
- development of a second runway to the existing airport or the relocation.
- In regard to the proposal for developing a second runway to the exising airport, we will examine the specific capabilities for runway capacity in light of airport operating procedures. In addition, we will examine the length and location of a new runway.
- In regard to a relocation, we will establish a specific runway position in the candidate area in light of the wind coverage and the impact on the surrounding region.
- We will make a comparative evaluation after assessing the advantages and disadvantages of the measures for the future, in light of the examination results and the opinions received, and indicate a future direction.



PI Report Step 3: Summary

Examination of possible measures to meet future air travel demand

1) Distributing the demand of Fukuoka Airport to neighboring airports

This measure is not viable because restrictions will create a major burden on both passengers and the region, and it will be difficult to achieve in the current aviation deregulation.

Promoting the demand at the neighboring airports is not a viable comprehensive option because its effect on alleviating the tight supply and demand imbalance will be minimal.

Developing a second runway to the existing airport

This measure has many factors that must be considered, including the effect on the surrounding area and runway capacity. Many possible variations of this measure can be considered, including runway length and space between runways. Therefore, we cited examples of the standard runway position and runway positioning that would minimize the impacts on the surrounding area, and listed their characteristics.

- The standard location of a second runway developed east side of the existing runway, 300 meters apart The standard location of a second runway developed west side of the existing runway, 300 meters apart
- The minimal distance location of a second runway developed west side of the existing runway, 210 meters apart

3) Relocation of Fukuoka Airport

Ten locations were considered as potential zones for relocation, considering the distance from the center of the city and topographical conditions. We selected six areas based on such factors as weather, air space, natural environment, and aircraft noise.

On these, we listed the characteristics of the most promising sites: Mitoma-Shingu area and Shikanoshima-Nata area.

Viewpoints for evaluating the alternatives for the future air travel demand

We established the following five viewpoints for comparing alternatives for the future based on the roles of Fukuoka Airport as derived from current conditions at the airport and the challenges it will face in the future, as well as the vision of the region for the future.

- Improving the pressure on the supply and demand balance
- Passengers' (shippers') convenience Environment and Safety
- Development of the city and the region
 Enterprise efficiency

In PI Step 4, we plan on further examining the measures of developing a second runway, of relocation, and plan establishing evaluation factors. Then we will compare the advantages and disadvantages of the alternatives, and show the draft for the future airport.



http://www.citv.fukuoka.ip

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http://www.ocab.mlit.go.jp

We welcome comments about the Comprehensive Study of Fukuoka Airport Public Involvement (PI) Report Step 3

Comments can be emailed to

kukochosa@fukuokakuko-chosa.org

Please send your nationality and address (city name), age and occupation along with your comments. Thank you.