**Project Name:** CI Mobile App委外專案

BoardingPass Module

System Interface Agreement

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Version Date: 2016/05/23

Author: Jason

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**修訂履歷**(Modification History)

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Author | Version | Description |
| 2016/05/23 | Jason Tseng | V0.1 | Initial draft. |
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**系統介面協定文件**(System Interface Agreement)

# **版本內容(Release Contents)**

|  |  |
| --- | --- |
| Project/MR | Description |
| Phase I | CI APP改版 Phase I ,Release Version “001” |
|  |  |
|  |  |

# **高階處理流程(High Level Process Flow)**

# **介面規格(Interface Specification)**

URL: http://ServerName/CIAPP/api/APIName

Http Method: POST

Test ID : Admin

Test Password : secret

# **資料格式協議(Agreement of Record/Format)**

### InquiryBoardPass(查詢)

功能說明: 使用卡號及PNR List取得行程

如果是卡號只帶出近期行程的PNR，

對應1A API : PNR\_SearchByFrequentFlyer

　　　　　　DCSIDC\_CPRIdentification

對應 CI DB：TCDB.TCTBPP4

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| 使用畫面 |
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| --- |
| InquiryTripByPNR輸入格式(APP API) |
| 1. 卡號登入   {  "Card\_Id": "WB0000000",  "PNR\_List": ["2TWG62"],  "TICKET": {  "Ticket": "",  "First\_Name": "",  "Last\_Name": ""  },  "PNR\_ID": {  "PNR\_ID": "",  "First\_Name": "",  "Last\_Name": ""  },  "Language": "zh-TW",  "Version": "1.0.0.0"  }  2.Ticket登入  {  "Card\_Id": "",  "PNR\_List": ["2TWG62"],  "TICKET": {  "Ticket": "2977428958459",  "First\_Name": "TEST",  "Last\_Name": "CHIANG"  },  "PNR\_ID": {  "PNR\_ID": "",  "First\_Name": "",  "Last\_Name": ""  },  "Language": "zh-TW",  "Version": "1.0.0.0"  }  3.PNR登入  {  "Card\_Id": "",  "PNR\_List": ["2TWG62"],  "TICKET": {  "Ticket": "",  "First\_Name": "",  "Last\_Name": ""  },  "PNR\_ID": {  "PNR\_ID": "2TWG62",  "First\_Name": "TEST",  "Last\_Name": "CHIANG"  },  "Language": "zh-TW",  "Version": "1.0.0.0"  } |

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| --- | --- | --- | --- |
| InquiryBoardPass輸入格式欄位說明(APP API) | | | |
| Parameter | | M – Mandatory  O - Optional | Description |
| Card\_Id | | O | 華夏會員卡號( Len: 9) |
| Pnr\_List[ ] | | O | 訂位代號陣列( Len: 6) |
| Language | | M | 回傳結果的語言  zh-TW:繁體中文／zh-CN:簡體中文／ja-JP:日文／en-US:英文 |
| Version | | M | API 版本,參閱版本內容(Release Contents) |
| Pnr\_Id | | | |
| Pnr\_Id | O | | 訂位代號( Len: 6) |
| First\_Name | O | | 名( Len: Max. 30) |
| Last\_Name | O | | 姓( Len: Max. 30) |
| Ticket | | | |
| Ticket | | O | 機票票號 |
| First\_Name | O | | 名( Len: Max. 30) |
| Last\_Name | O | | 姓( Len: Max. 30) |

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| InquiryTripByPNR輸出格式(APP API) |
| {  "rt\_code": "000",  "rt\_msg": "OK",  "rt\_data": {  "pnr\_info": [  {  "Pnr\_Id": "YI6O33",  "rt\_code": "000",  "rt\_msg": "OK",  "Itinerary\_Info": [  {  "Departure\_Date": "2016-03-30",  "Departure\_Time": "10:15",  "Departure\_Station": "HKG",  "Arrival\_Date": "2016-03-30",  "Arrival\_Time": "11:55",  "Arrival\_Station": "TPE",  "Airlines": "CI",  "Flight\_Number": "52",  "Class\_Of\_Service": "Y",  "Booking\_Class": "J",  "Boarding\_Gate": "C1",  "Boarding\_Date": "2016-03-30",  "Boarding\_Time": "19:00",  "Depature\_Terminal": "1",  "Pax\_Info": [  {  "First\_Name": "JAMISON",  "Last\_Name": "WU",  "Seat\_Number": "18A",  "Seat\_Zone": "1",  "Boarding\_Pass": "AABBDDEEDD",  "Seq\_No": "96",  "Sky\_Priority": "N",  "Card\_Id": "CT0395447",  "Ticket": "2972402021852",  "Baggage\_Info": [  {  "Baggage\_BoardPoint": "HKG",  "Baggage\_OffPoint": "TPE",  "Baggage\_Date": "2016-03-30",  "Baggage\_Numbers": [  {  "Baggage\_ShowNumber ": "CI 418348",  "Baggage\_BarcodeNumber ": "0297418348",  "Baggage\_IsStatus": "Y"  },  {  "Baggage\_ShowNumber ": "CI 418348",  "Baggage\_BarcodeNumber ": "0297418348",  "Baggage\_IsStatus": "Y"  }  ]  }  ]  },  {  "First\_Name": "Nina",  "Last\_Name": "Lin",  "Seat\_Number": "18A",  "Seat\_Status": "J",  "Seat\_Zone": "1",  "Boarding\_Pass": "AABBDDEEDD",  "Seq\_No": "96",  "Sky\_Priority": "N",  "Card\_Id": Null,  "Ticket": "2972402021853",  "Baggage\_Info": [  {  "Baggage\_BoardPoint": "HKG",  "Baggage\_OffPoint": "TPE",  "Baggage\_Date": "2016-03-30",  "Baggage\_Numbers": [  {  "Baggage\_ShowNumber ": "CI 418348",  "Baggage\_BarcodeNumber ": "0297418348",  "Baggage\_IsStatus": "Y"  },  {  "Baggage\_ShowNumber ": "CI 418348",  "Baggage\_BarcodeNumber ": "0297418348",  "Baggage\_IsStatus": "Y"  }  ]  }  ]  }  ]  },  {  "Departure\_Date": "2016-03-31",  "Departure\_Time": "19:15",  "Departure\_Station": "TPE",  "Arrival\_Date": "2016-03-31",  "Arrival\_Time": "19:55",  "Arrival\_Station": "HKG",  "Airlines": "CI",  "Flight\_Number": "53",  "Class\_Of\_Service": "Y",  "Booking\_Class": "J",  "Boarding\_Gate": "C1",  "Boarding\_Date": "2016-03-31",  "Boarding\_Time": "19:00",  "Depature\_Terminal": "1",  "Pax\_Info": [  {  "First\_Name": "JAMISON",  "Last\_Name": "WU",  "Seat\_Number": "18A",  "Seat\_Status": "J",  "Seat\_Zone": "1",  "Boarding\_Pass": "AABBDDEEDD",  "Seq\_No": "96",  "Sky\_Priority": "N",  "Card\_Id": "CT0395447",  "Ticket": "2972402021852",  "Baggage\_Info":Null  },  {  "First\_Name": "Nina",  "Last\_Name": "Lin",  "Seat\_Number": "18A",  "Seat\_Status": "J",  "Seat\_Zone": "1",  "Boarding\_Pass": "AABBDDEEDD",  "Seq\_No": "96",  "Sky\_Priority": "N",  "Card\_Id": Null,  "Ticket": "2972402021853",  "Baggage\_Info":Null  }  ]  }  ]  },  {  "Pnr\_Id": "QRC986",  "rt\_code": "-999",  "rt\_msg": "查無資料",  "Itinerary\_Info": null  }  ]  }  } |
|  |

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| --- | --- | --- |
| InquiryBoardPass輸出格式欄位說明(APP API) | | |
| Parameter | M – Mandatory  O - Optional | Description |
| rt\_code | M | 處理結果代碼，接收會員專區api回覆內容 |
| rt\_msg | M | 處理結果說明，接收會員專區api回覆內容 |
| rt\_data [ ].Pnr\_Info[ ] | | |
| Pnr\_Id | M | 訂位代號 (Len: 6) |
| rt\_code | M | 處理結果代碼，接收會員專區api回覆內容 |
| rt\_msg | M | 處理結果說明，接收會員專區api回覆內容 |
| rt\_data [ ] .Pnr\_Info[ ].Itinerary\_Info[ ] | | |
| Departure\_Date | M | 出發日期 (當地) (完整) (Len: 10) |
| Departure\_Time | M | 出發時間( Len: Max. 5) |
| Departure\_Station | M | 出發地 (城市代碼) (Len: 3) |
| Arrival\_Time | M | 目的地時間( Len: Max. 5) |
| Arrival\_Station | M | 目的地 (城市代碼) (Len: 3) |
| Airlines | M | 航空公司 (Len: 2) |
| Flight\_Number | M | 班機編號 (Len: 4) |
| Class\_Of\_Service | O | 搭機艙等 (Len: 1) |
| Class\_Of\_Service\_Desc | O | 搭機艙等敍述 |
| Booking\_Class | O | 訂位艙等 |
| Boarding\_Gate | O | 登機門 |
| Boarding\_Date | O | 登機日期 |
| Boarding\_Time | O | 登機時間 |
| Depature\_Terminal | O | 航廈 |
| rt\_data [ ] .Pnr\_Info[ ].Itinerary\_Info[ ].Pax\_Info[ ] | | |
| First\_Name | M | 名( Len: Max. 30) |
| Last\_Name | M | 姓( Len: Max. 30) |
| Seat\_Number | O | 座位編號(Len: 3) |
| Boarding\_Pass | O | 登機證資料(Len: ?)  M1ALVAREZ/RODRIGO     EK5653B TPELAXCI 0008 062Y065E0103 18A>518                      2A2977789470752                         2PC |
| Seat\_Zone | O | 座位區 |
| Seq\_No | O | Seq No |
| Sky\_Priority | O | 是否為天盟會員  Y:是  N:不是 |
| Card\_Id | O | 會員卡號 |
| Ticket | O | 機票號碼 |
| Lounge | O | 使用貴賓室的卡別 |
| Is\_Lounge | O | 是否可以使用貴賓室 |
| Is\_Check\_In | O | 是否已報到  Y:是  N:否 |
| Is\_Print\_BP | O | 是否已列印Boarding Pass |
| rt\_data [ ] .Pnr\_Info[ ].Itinerary\_Info[ ].Pax\_Info[ ].Baggage\_Info[] | | |
| Baggage\_BoardPoint | O | 行李託運起站 |
| Baggage\_OffPoint | O | 行李託運迄站 |
| Baggage\_Date | O | 行李託運日期 |
| rt\_data [ ] .Pnr\_Info[ ].Itinerary\_Info[ ].Pax\_Info[ ].Baggage\_Info[].Baggage\_Numbers[] | | |
| Baggage\_ShowNumber | O | 行李託運顯示條碼 |
| Baggage\_BarcodeNumber | O | 行李託運Barcode條碼 |
| Baggage\_IsStatus | O | 是否有行李追蹤狀態(Y/N) |

4.1.1 新站資料來源

|  |  |
| --- | --- |
| InquiryBoardPass輸出格式欄位說明(APP API) | |
| Parameter | 資料來源() |
| rt\_code |  |
| rt\_msg |  |
| rt\_data [ ].Pnr\_Info[ ] | |
| Pnr\_Id | PNR\_SearchByFrequentFlyer(1A) |
| rt\_code |  |
| rt\_msg |  |
| rt\_data [ ] .Pnr\_Info[ ].Itinerary\_Info[ ] | |
| Departure\_Date | PNR\_SearchByFrequentFlyer(1A) |
| Departure\_Time | PNR\_SearchByFrequentFlyer(1A) |
| Departure\_Station | PNR\_SearchByFrequentFlyer(1A) |
| Departure\_Station\_Name2 |  |
| Arrival\_Date | PNR\_SearchByFrequentFlyer(1A) |
| Arrival\_Time | PNR\_SearchByFrequentFlyer(1A) |
| Arrival\_Station | PNR\_SearchByFrequentFlyer(1A) |
| Arrival\_Station\_Name2 |  |
| Airlines | PNR\_SearchByFrequentFlyer(1A) |
| Flight\_Number | PNR\_SearchByFrequentFlyer(1A) |
| Class\_Of\_Service | PNR\_SearchByFrequentFlyer(1A).訂位艙等  轉換成搭機艙等 |
| Booking\_Class |  |
| Boarding\_Gate |  |
| Boarding\_Date | DCSIDC\_CPRIdentification |
| Boarding\_Time | DCSIDC\_CPRIdentification |
| Depature\_Terminal | DCSIDC\_CPRIdentification |
| rt\_data [ ] .Pnr\_Info[ ].Itinerary\_Info[ ].Pax\_Info[ ] | |
| First\_Name | PNR\_SearchByFrequentFlyer(1A) |
| Last\_Name | PNR\_SearchByFrequentFlyer(1A) |
| Seat\_Number | DCSIDC\_CPRIdentification |
| Boarding\_Pass | DCSIDC\_CPRIdentification |
| Seat\_Zone |  |
| Seq\_No | DCSIDC\_CPRIdentification |
| Sky\_Priority | DCSIDC\_CPRIdentification |
| Lounge |  |

4.1.2 舊站資料來源

|  |  |
| --- | --- |
| InquiryBoardPass輸出格式欄位說明(APP API) | |
| Parameter | 資料來源(TCDB.TCTBPP4) |
| rt\_code |  |
| rt\_msg |  |
| rt\_data [ ].Pnr\_Info[ ] | |
| Pnr\_Id | BPP4.Pnr\_ID |
| rt\_code |  |
| rt\_msg |  |
| rt\_data [ ] .Pnr\_Info[ ].Itinerary\_Info[ ] | |
| Departure\_Date |  |
| Departure\_Time | BPP4.BP\_F7 |
| Departure\_Station | BPP4.BP\_1A |
| Departure\_Station\_Name2 |  |
| Arrival\_Date |  |
| Arrival\_Time |  |
| Arrival\_Station | BPP4.BP\_26 |
| Arrival\_Station\_Name2 |  |
| Airlines | BPP4.BP\_2A |
| Flight\_Number | BPP4.BP\_2B |
| Class\_Of\_Service | BPP4.BP\_47  if {TCTBPP4.BP\_47} = "F" then  "First"  else if {TCTBPP4.BP\_47} = "C" then  if IsNull ({TCTBPP4.FLT\_TYPE}) then  "Business"  else  if {TCTBPP4.FLT\_TYPE} = "777" and {TCTBPP4.SVC\_CLASS} = 'CWY' then  "Premium Business"  else  "Business"  else if {TCTBPP4.BP\_47} = "W" then  "Premium Economy"  else  "Economy" |
| Boarding\_Gate | BPP4.BP\_FD + “please check at airport before boarding” |
| Boarding\_Date | BPP4.BP\_DATE  Thu,Oct 12,2015 |
| Boarding\_Time | BPP4.BP\_FE |
| Depature\_Terminal |  |
| rt\_data [ ] .Pnr\_Info[ ].Itinerary\_Info[ ].Pax\_Info[ ] | |
| First\_Name | BPP4.BP\_0B |
| Last\_Name | BPP4.BP\_0B |
| Seat\_Number | BPP4.BP\_68 |
| Boarding\_Pass | BPP4.BP\_Z1 |
| Seat\_Zone | BPP4.BP\_Y9 |
| Seq\_No | BPP4.BP\_6B |
| Sky\_Priority | BPP4.BP\_78 |
| Lounge | if left({TCTBPP4.BP\_X5},6) = "LOUNGE" then  if IsNull({TCTBPP4.BP\_92}) or {TCTBPP4.BP\_92} = "" or Length({TCTBPP4.BP\_92}) < 4  then  "LOUNGE"  else  "LOUNGE-" + {TCTBPP4.BP\_92} |