

Airline Split Operations

Draft final report

October 16th, 2017



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Key conclusions airline split operations research

- The opening of Lelystad Airport may result in airlines operating from/to both Schiphol and Lelystad, serving the same catchment area, in a split operation set up. This research describes what kind of airline split operation models exist and under which conditions such operation may or may not be sustainable. The basis for this research is an extensive analysis of flight schedules complemented with market developments. Client envisions a Traffic Distribution Rule (VVR) and requested to imply its implications.
- The term 'airline split operations' refers to network configurations where an airline operates from its home base to multiple destinations in the same catchment area or where an airline operates from another airport than its original home base in the same catchment area. The main types of split operations are: 'multi-airport', 'outside base', 'additional base', and 'second home base'. For the Dutch situation the 'second home base' type is not relevant
- All three relevant types of split operations are being operated by airlines in the Dutch market for a long time. From all regional airports in the Netherlands 'outside base' operations are executed, while airlines have established 'additional bases' at Eindhoven and Rotterdam (partly due to the lack of development potential at Schiphol). Foreign airlines, mainly network carriers, but also low cost airlines, operate flights from their foreign home base to a second airport in the Netherlands next to Schiphol ('multi-airport') or have done so in the past
- The 'Additional base' -type is well-suited for Lelystad from a market demand perspective. Scale seems to offset inconveniences and extra cost of a split operation in comparable cases. The opening hours as part of the license of Lelystad (06h00 until 23h00/24h00) meet the conditions that airlines require for a base. A more challenging requirement is the minimum scale of this type of operation. The typical start-up size of a base is 3 4 aircrafts resulting in approx. 6.000 10.000 ATMs per year. This will not be possible from day 1 at Lelystad. The start-up period needs to provide airlines a credible perspective to develop towards that viable scale in 2 to 3 years from an efficiency point of view
- The <u>'Multi-airport'</u>-type fits in terms of scale and desired opening hours at Lelystad. The operational conditions demanded by the airlines are minimal, however, the commercial drawbacks compared to a 'single-airport' operation appear to be significant and therefore little growth from the market can be expected. Restrictions at Schiphol as a consequence of the VVR can, however, drive some demand for this type of operation at Lelystad. An analysis of SEO shows that with the current VVR approx. 7.500 flights (mainly by Turkish and Moroccan airlines) currently being operated at Schiphol, might be subject to either move to Lelystad, or alternatively be cancelled
- The <u>'Outside base'</u>-type (the 'W'-operation) has long been applied by Dutch charter airlines to regional airports. There are no objections from a cost- and operational feasibility point of view, viability of a W-operation relies on yield perspective. Both volume (ATMs) and schedule requirements (mostly during the middle of the day) can be well fitted at Lelystad. However, there is a clear trend in the Netherlands and in Europe that the charter model loses in importance against scheduled operations. A VVR that reliefs Schiphol of leisure flights in the morning (block 2) and afternoon (block 6) needs to imply a free choice in slot time at Lelystad, in order for a carrier to make a 2nd or 3rd turn at Lelystad instead of at Schiphol
- 'Multi-airport' and 'Outside base' types of operation could be considered by airlines as a way to start building presence at an airport with the aim of developing into an 'additional base', provided that the desired volume of that base can be achieved within an acceptable time frame (2-3 years)

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- 'Multi-airport'
- 'Outside base'
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Goal of this research is to define airline split operations models, determine conditions airlines require for each model and relate those to Lelystad airport

Framework of assignment

Objective	 Mapping the different models of airline
	split operations based on case studies

- The split operation models that are relevant for the Dutch airport
 - The focus on which conditions (operating hours, number of allowed flights) are necessary for the airlines to succeed the split operation

• An assessment of negative effects if not all conditions for a split operation are met

Applied methodology

- Mapping airline split operations through archetypes
- Mapping the typical airline operating hours and the size of operation for each archetype based on analyses of schedule data
- Enriching the insights by analyzing the development of these archetypes over time and by gathering information about why certain developments happen (on instruction, no conversations with the airlines were held)
- Describing the expected conditions for airlines to operate in a split operation at Lelystad Airport, based on the archetypes and the impact of the envisioned Traffic Distribution Rule (VVR)

Disclaimer: the research in this report assumes that the basic airport infrastructure (accessibility, ground facilities) is in place and that the Traffic Distribution Rule (VVR) is in force

Scope

There are 5 ways an airline can operate from/to an airport of which 4 can be classified as split operations

ARCHETYPES FOR THE WAY AIRLINES OPERATE FROM/TO AN AIRPORT

	No split operation		Increasing degree of split operations		
	SINGLE-AIRPORT	MULTI-AIRPORT	OUTSIDE BASE	ADDITIONAL BASE	SECOND HOME BASE
Description	Operating flights from a base to an airport that is the only one within that catchment area	Operating flights from a base to multiple airports located in the same catchment area	Operating flights on a route where neither departure nor arrival airport are a base of the airline (W- operation)	Operating flights from an additional base where aircraft and crew are based	Operating a substantial number of flights from a second home base near the current home base
Drivers	 Market opportunity 	 Market opportunity (only at bigger metropoles) Forced (if primary destination has no capacity to grow) 	 Market opportunity (often charter airlines flying commissioned by tour operators) 	 Market opportunity Limited growth opportunities on current base 	 Limited growth opportunities current home base Sometimes defensive
Examples	• Germania at MST	 KLM at LIN and MXP TK at RTM and AMS KLM at LHR and LCY 	 Transavia from GRQ/ MST to Spain 	 easyJet at CDG and ORY Transavia at MUC 	 British Airways at LHR and LGW

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The 'multi-airport'-, 'outside base'- and 'additional base'-types of a split operation are relevant for the Dutch market

SINGLE-AIRPORT	MULTI-AIRPORT	OUTSIDE BASE	ADDITIONAL BASE	SECOND HOME BASE
Most common archetype: serving one airport in a market from the base No split operation and therefore out of scope for this research	 Multiple airlines fly or have been flying in the past both on Amsterdam and other regional airports in the Netherlands Volumes are small (mostly less than 10 flights a week/ 1.000 ATMs a year) Mostly foreign airlines 	 Charter airlines flying from regional airports is a long- standing practice In the Netherlands, these 'outside base'- flights are usually done by Dutch airlines 	 A number of airlines already have a base other than at Schiphol (Rotterdam and Eindhoven) Especially low cost airlines are still increasing the number of bases A condition for this type of operation is the availability of enough movements. In time, this archetype is possible at Lelystad 	 Setting up a second home base hardly occurs and only appears at growth limitation and/or at enormous metropolis (London, Paris) There is no need for a similar model in the Netherlands, neither is this size possible at Lelystad (for example 44k flights at LGW by BA

The three relevant types of a split operation show a very distinctive traffic pattern at regional airports



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Relevant insights for the development of Lelystad Airport



All three relevant types of airline split operations are currently operated by multiple airlines at regional airports in the Netherlands

KEY AIRLINES OPERATING IN THE NETHERLANDS CATEGORIZED PER AIRPORT AND ARCHETYPE



* Based on schedule and airport Source: OAG data; M3 Consultancy analysis

The 'Additional base'-model is dominant in the Dutch market; 'multi-airport' is important for some airlines operating at Rotterdam/The Hague and Groningen

NUMBER OF ATMs CATEGORIZED PER REGIONAL AIRPORT AND ARCHETYPE IN 2016



* Dutch airlines operation at Eindhoven/Rotterdam are partly due to constraints in development at Schiphol

Source: OAG data; M3 Consultancy analysis

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The 'Additional base'-operation is mainly applied by low cost airlines

ADDITIONAL BASE

			Draft
	Typical airlines	Dutch/foreign (hybrid) airlines	
	Operational adjustment in relation to single-airport	A part of the current/new fleet is based at the additional base, at which aircraft typically start and end their day	
Description	Impact on the operation	 Significant Airplane facilities are necessary: maintenance, briefing Local crew is needed Local ground facilities are necessary as well (station manager; flight duty operations duplication with functions on other base) However, the impact of operating in a split operation will be mitigated wit the scale size 	
Insights from	A Dutch airportsB Trends	 Transavia (RTM and EIN) and Ryanair (EIN) have bases at regional Still, new bases are added by European low cost airlines such as easyJet, Norwegian and Wiz Air 	
analysis/ case studies	C Typical size for airline	Approximately 6.000 – 10.000 ATMs a year for broadly oriented low cost airline and 2.000 ATMs a year for ultra-low cost airlines such as Wizz Air	
	D Typical operating hours	 Departure wave at 6 - 8 a.m.; arrival wave at 10 p.m 12 a.m. During the day there is an irregularly pattern of flights A curfew at for example 11 p.m. at Paris Orly is not a reason to not operat on this airport due to the popular location, which however could be a barrier for Lelystad Airport 	te
M ₃ consultancy	E Impact Traffic Distribution Rule	The traffic distribution rule will likely encourage airlines to consider an 'additional base', but given capacity constrains this will initially have to be through other split operation models (see next sections) Confidential: for inter-	12

Airlines operate at a total of 3 'additional bases' at Dutch regional airports today, with an average of 10.000 ATMs a year per base

ADDITIONAL BASE







In recent years, low cost airlines have continuously been opening additional bases to expand their network

EXAMPLES: ADDITIONAL BASES FOR THREE LOW COST AIRLINES IN THE LAST 6 YEARS

Airline	Year	Airport
easyJet	2012	Lisbon, London–Southend, Nice, Toulouse
	2013	Hamburg
	2015	Amsterdam, Napels, Porto
Wizz Air	2015	Košice, Lublin, Debrecen
	2016	lasi, Kutaise
	2017	Chisinau, Varna
Norwegian	2011	Helsinki
	2012	Malaga, Las Palmas,
	2013	Gatwick, Tenerife, Alicante
	2014	Barcelona-el prat, Madrid
	2016	Rome Fiumicino Airport
	2017	Edinburgh, Riga

- Low cost airlines keep expanding their network with additional bases
- easyJet and Norwegian set up new bases at big airports and cities, while Wizz Air prefers smaller airports

B Airlines indicate they are interested to open new bases in the Netherlands as well

ADDITIONAL BASE

Draft

Airline expert – "given the risk of recruiting local crew members and the potential costs of not having extra capacity when there are technical issues, an airline would want to base at least 3 or 4 airplanes as minimum scale when opening a new base. If an airline opens a new base with 1 airplane, they will do this with a crew from the home base that stays the night in a hotel and it is mostly due to PR reasons."

Hij vreest met Corendon klem te komen zitten als hetzelfde voor Lelystad opgaat. "Op zich hebben we geen geen bezwaren tegen verhuizing. Maar er dreigt nu op Lelystad eenzelfde catastrofe als in Eindhoven. Er zijn nog altijd geen wettelijke regels en voorschriften."

Corendon has no objection against moving to Lelystad Airport if there are clear rules and regulations



RyanAir wil vanaf Lelystad vliegen

Het hoge woord is eruit: RyanAir wil vliegen vanaf Lelystad Airport. Wanneer de lerse prijsvechter de polder als uitvalsbasis gaat gebruiken, is nog onduidelijk.

Herre Stegenga 09-03-17, 22:00

TUI FLY STATIONEERT VLIEGTUIGEN IN ROTTERDAM EN EINDHOVEN



Not a real new base at Eindhoven, since airplanes will arrive from Morocco in the morning at Eindhoven and than continues it flight schedule from Eindhoven

RIJSWIJK - Vakantievlieger TUI fly stationeert in de zomer van 2018 vliegtuigen in Rotterdam en Eindhoven. "Ook met Groningen Airport Eelde zijn we in gesprek", zegt TUI-topman Arjan Kers in gesprek met *Luchtvaartnieuws Magazine*.

Transavia seems interested to base 3 airplanes at Lelystad Airport

Nieuws

Transavia 'onder voorwaarden' naar Lelystad

1 september 2017 | 711 keer bekeken

²¹ september 2017 - 11:16 | Door: Klaas-Jan van Woerkom | Foto: Reismedia

C A new base needs the perspective to start at or quickly develop towards 6.000 flights or more per year

ADDITIONAL BASE

Draft

NUMBER OF ATMS PER YEAR FOR THE FIRST THREE YEARS AT WHICH EASYJET, NORWEGIAN AND WIZZ AIR HAVE OPENED AN ADDITIONAL BASE (in thousands)



• All bases show a considerable growth in the first few years, which means that their base involves, apart from Wizz Air, quickly more than 6.000 ATMs a year

Source: OAG data; M3 Consultancy analysis

c easyJet mostly starts serving a 'single airport' to accumulate volume, before establishing a new base

TOTAL NUMBER OF ATMS PER YEAR BY EASYJET





- easyJet has a relatively long growth path before they start a base at an airport
- Before starting a base, easyJet operated most of their flights from and to these airports via the 'singleairport' model; from one of their bases in different catchment areas to these airports and back to their bases
- easyJet started immediately with 3 based airplanes at London Southend (SEN) and therefore there was no growth path



ADDITIONAL BASE

Draft

easyJet has been operating at Paris-Orly airport, the most attractive airport for the OD passenger, since the early 2000s

- In 2007 easyJet announced it would invest EUR 600 million in expanding its presence in the Parisian market and would open a second based at Paris Charles de Gaulle with 3 aircraft (next to the 6 aircrafts it had based at that time at Paris Orly). Its ambition was to grow from 9 to 20 aircraft and 12 million passengers in 3 years
- easyJet's decision to develop a new base at Charles de Gaulle was mainly triggered by the lack of expansion opportunities at Orly (cap of 250.000 ATMs/year), while Charles de Gaulle did have sufficient capacity. It was a not a decision based on cost differential as airport charges for both airports at the same



C Following the opening of its base at Paris-CDG, easyJet quickly reached an annual volume of 16.000 ATMs

ADDITIONAL BASE

Draft

TOTAL NUMBER OF DEPARTURES IN THE FIRST WEEK OF AUGUST BY EASYJET AT CGD AND ORY



- easyJet already had a very sizeable operation at Paris-CDG before opening its base (flights from other bases into Paris)
- After the opening of an additional base at CDG it reached a volume of 16K ATMs

Source: OAG data; M3 Consultancy analysis

easyJet's flights to CDG require long opening hours, having departure/ arrival peaks in the morning and late evening

ADDITIONAL BASE

Draft

WEEKLY NUMBER OF EASYJET FLIGHTS AT CDG PER HOUR DURING FIRST WEEK OF AUGUST 2017



- 'Additional base'flights peak in the early morning (departures) and late evening (arrival)
- During the day, flights will also arrive and depart, but there is a less clear pattern

Source: OAG data; M3 Consultancy analysis

easyJet's operation at ORY has an even more pronounced peak in the evening due to the curfew at 11.30 pm

WEEKLY NUMBER OF EASYJET FLIGHTS AT ORY PER HOUR DURING THE FIRST WEEK OF AUGUST 2017



 Compared with CDG, the flights arriving at ORY, have an even stronger peak in the evening due to the curfew starting at 11.30 pm

Source: OAG data; M3 Consultancy analysis

M₃consultancy

C Transavia started with an 'outside base'-operation to grow at Eindhoven before setting up its base there with 7.000 ATMs

ADDITIONAL BASE

Draft

TOTAL NUMBER OF DEPARTURES IN THE FIRST WEEK OF AUGUST BY TRANSAVIA AT EINDHOVEN



Draft

- Transavia announced in the end of 2015 the opening of a new base in Munich from summer 2016 with 4 based aircraft and additional 17 new destinations. This was their first base outside their home market in the Netherlands and France
- This was done with a Dutch Air Operators Certificate (AOC) with a local crew (approx. 100 crew members)
- However, in the beginning of 2017 Transavia had already decided to close down the base from the end of 2017 due to disappointing results

TRANSAVIA CONFIRMS OPENING OF ADITIONAL BASE IN MUNICH



30 november 2015 - 14:00 | Door: onze redactie

C The additional base of Transavia at Munich started its first year with an operation of around 8.500 ATMs a year

AVERAGE NUMBER OF DEPARTURES PER WEEK BY TRANSAVIA AT MUNICH



- In the first part of the operation, Transavia started with 80-85 departures per week (approx. 8.500 ATMs per year)
- In the second year, this was decreased to 65 departures per week (approx. 6.500 ATMS per year)

M₃ consultancy

Source: OAG data; M3 Consultancy analysis

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Transavia fully exploits the opening hours of Munich airport with a distinctive departing- and arriving peak

ADDITIONAL BASE

Draft

WEEKLY NUMBER OF TRANSAVIA FLIGHTS AT MUNICH PER HOUR DURING FIRST WEEK OF AUGUST 2017



C Wizz Air typically operates smaller bases than any other airline, and operates flights for 2 to 3 years before starting a new base

ADDITIONAL BASE

Draft

TOTAL NUMBER OF ATMS A YEAR BY WIZZ AIR



116 204 208 258 356 372 470 556

'13

'14

'15

'16

'12

VAR

1.849

'17

These 6 bases have a similar growth path; Wizz Air starts with a small number of 'single airport' flights for a couple of years to one of their bases (mostly to LTN, VLN and BUD). After opening a base on one of these airports, they increase the number of flights beyond 1000 per year and fly to other non-base airports as well

Before Wizz Air opened a base in '17 at Varna, Wizz air only flew from LTN to Varna. After opening a base here, Wizz Air started flights from Varna to non-base airports with a low frequency (twice a week), but also to one of their bases in Sofia with a higher frequency (7 times a week)

*M*₃ consultancy

Source: OAG data; M3 Consultancy analysis

'10

'11

54

'08

'09

30

'07

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A 'multi-airport'-operation is mainly run by foreign airlines to feed their flights from their home bases

MULTI-AIRPORT

			Dr
	Typical airlines	Foreign carriers	
	Operational adjustment in relation to single-airport	 Part of the flights from the home base to 1 destination will be done at a second airport in the same catchment area 	
Description	Impact on the operation	 Very limited: No adjustments at their home base airports Little or no effect for crew Limited increase in ground handling costs 	
	A Dutch airports	 Different network airlines fly or have been flying on regional Dutch airports next to Schiphol 	
		 However, not all attempts have succeed (for example Air France at EIN and Turkish Airlines at Rotterdam) 	
nsights from analysis/	B Trends	 Larger airports attract more and more traffic at the expense of regional airports, unless there is a limited capacity or if a regional airport has a more favorable location (for example London City) 	
ase studies		 However, new airlines still try to succeed in a certain route that has already shown failure at other airlines 	_ _ .
	C Typical size for airline	 Approximately 500-1.000 flights a year (normally one or two flights per week on a weekday) 	,
	D Typical operating hours	 Morning and evening (07-09h and 17-21h); sometimes includes a night signal In case of 1 flights: in the morning to feed the flights from their base 	top
	Impact of Traffic Distribution Rule	Approx. 7.500 flights at Schiphol operated by foreign airlines to/from leis destinations might (temporarily) have to be a 'multi-airport' operation	sure

Some traditional airlines do or did operate a 'multi-airport'-model in the Netherlands, but in most cases not very successful

MULTI-AIRPORT

Draft

NUMBER OF MOVEMENTS PER YEAR PER AIRLINE IN THE NETHERLANDS



B Network carriers prefer a single airport within a single catchment area, because of passenger preferences and a more attractive proposition

MULTI-AIRPORT

Draft



Foreign passengers prefer Schiphol over regional airports

- Most foreigners coming to the Netherlands, travel to the Randstad
- Foreign airlines have a higher share of foreign passenger and thus prefer to fly to Schiphol



Airlines prefer to focus on 1 airport

- A more appealing scheme with more frequencies result in a disproportional high market share on a route ('Scurve' effect)
- Thus airlines will prefer to concentrate their flight on 1 airport





Source: OAG data; M3 Consultancy analysis

C The number of annual flights for a 'multi-airport'-operation is on average between 500 and 1.000

MULTI-AIRPORT

Draft



Source: OAG data; M3 Consultancy analysis 1) LOT Polish Airlines under brand name Nordica, feeds the hub of SAS at Copenhagen

D In 'multi-airport' situations, airlines typically turn around early morning/late afternoon to serve the business market and feed the hub

MULTI-AIRPORT

Draft

TIMES OF ARRIVAL AND DEPARTURE FOR A 'MULTI-AIRPORT'-OPERATION BY FOREIGN AIRLINES ON **DUTCH REGIONAL AIRPORTS**

		TK@RTM	BA@RTM	LH@RTM	AF@EIN	SK@GRQ
	А		11.10 15.05 19.05		13.20 10.30 20.50	
2012	D		12.00 16.15 19.45		13.55 17.50 7.30	
	Α		9.40 15.00 20.15	8.05 18.35	10.30 20.50	
2013	D		10.35 15.40 20.55	8.40 19.10	17.50 7.30	
	А	14.50	9.20	8.30 18.35		
2014	D	15.40	10.20	9.00 19.10		
	А	21.25	18.30	8.20 18.50		
015	D	8.10	19.20	8.55 19.35		
	Α	21.15	15.25			8.50 18.45
016	D	8.15	19.15			9.15 19.10
047	A		21.30			8.50 18.45
2017	D		9.55			9.15 19.10



Source : OAG data; M3 Consultancy analysis

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In general 'multi-airport'-operations seem to lack commercial viability - Cases: Turkish Airlines, Lufthansa and Air France

TOTAL NUMBER OF DEPARTURES IN THE FIRST WEEK OF AUGUST BY TURKISH AIRLINES, LUFTHANSA

AND AIR FRANCE IN THE NETHERLANDS



 Flying at Rotterdam and Eindhoven Airport was seen as a market opportunity for these airlines. However, after a while they have stopped flying to the Dutch regional airports, due to the lack of demand for these routes

MULTI-AIRPORT

Source: OAG data; M3 Consultancy analysis

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In general 'multi-airport'-operations seem to lack commercial viability

MULTI-AIRPORT

Draft

Case: KLM at Milan Linate/Malpensa

TOTAL NUMBER OF DEPARTURES IN THE FIRST WEEK OF AUGUST BY KLM AT MILAAN-LINATE AND MALPENSA



- Until 2012 there was a limited number of slots for KLM at LIN (which is more favorable, due to its location), and thus KLM was forced to operate at MXP as well
- From 2012 until 2017 KLM had a contract with Alitalia and gained more slots at LIN
- In 2017, the contract was broken and KLM was forced to move to MXP

- As soon as the possibility arose, KLM concentrated at only 1 airport instead of operating in a 'multi-airport'-operation
- A 'multi-airport'-operation seems only interesting if no other alternative is available and is being preferred above 'not flying' to this region

The envisioned traffic distribution rule could (temporarily) push up to 7.500 ATMs of foreign airlines into a 'multi-airport'-operation

MULTI-AIRPORT

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NUMBER OF AIR TRAFFIC MOVEMENTS BETWEEN SCHIPHOL AND LEISURE DESTINATIONS OF THE KEY FOREIGN AIRLINES IN 2016





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An 'outside base'-operation is mainly applied by Dutch charter airlines, but volumes of this type of operation are rapidly declining

OUTSIDE BASE

		Dr
	Typical airlines	 Dutch charter/hybrid airlines; sometimes foreign (for example Turkish) charter airlines
Description	Operational adjustment in relation to single-airport	After the first flight from their base to another airport, they fly to a different non-based airport, but will end their day at their base again
	Impact on the operation	 Limited: No adjustments at their home base airport Possible crew inefficiency in case of long haul flights; there is a need of a new
		crew on the secondary airport or the old crew ends on the wrong airport - Limited increase in ground handling costs
	A Dutch airports	 Non-scheduled flights have been operated from regional airports for a long time. However, its volume/relative importance is declining since 10 years
Insights from		Yet, TUI Fly intends to base airplanes at Rotterdam and Eindhoven to offer flights to leisure destinations
analysis/ case studies	B Trends	The only business model in which the 'outside base'-operation occurs, is the charter concept, which is however declining in volume in Europe due to frequency needs and competition of low cost
	C Typical size for airline	 Approximately 1.000 ATMs a year (once or twice a week to multiple destinations by 1 or 2 airplanes)
	D Typical operating hours	During the day (normally between 11h00 and 18h00)
	E Impact of Traffic distribution rule	This pattern does not fit with the requirements of the VVR to prioritize flights in block 2 and 6
la a		It is often applied as an intermediate step before opening an additional base



A Non-scheduled flights make up a small part of air traffic operated at the Dutch regional airports, and this part is decreasing



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B The charter airline model, typically operating 'outside base', is under pressure in Europe

OUTSIDE BASE

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JROCO	NTROL - Driving exc	ellence in ATM performance		Home Priv	acy & terms of u	ise Site sen	vices 🎔 f 🕻
EJROCONTR	ROL		Contacts How to find us J	lobs Procurement OneSk	y Online Extran	et	
About	Network Manager	Research & SESAR Civi	il-military Pan-European Single	Sky MUAC Route Charg	es Projects	Services	Media
Home	/ Media / News ove	rvlew					
Media	L	Charter flig	hts: a segment in	decline			S
Events		3 August 2017				Charter	aviation*
News o	verview	in Linkedin	8 ⁺ Google f Facebo	ook 🈏 Twitter		·····	
Press re	eleases		scheduled) market segment is the l				
Publicati	lions	 traditional airline). After 	er years of decline or transition to a	low-cost, scheduled model, thi	s segment	Tensions in N	North-Africa and Middl
Dossiers	S	for charter traffic in 20	all share of all flights. Spain and Ge 016. Yet, this segment accounted for	or just 2% of the total flights in th	ne two	the Russian	economic slowdown a arket share of low-co
_ogo gu	idelines		er hand, in countries like Bulgaria, o focuses mainly on flights operated		or tourism.	among other	factors, had a signific act on charter flights.
Photos		destinations. These a	The charter segment focuses mainly on flights operated by charter airlines with holiday neg destinations. These are usually reserved through tour operators (leisure travel groups such as TUI. Thomas Cook, etc.) as part of a package. That is why charter traffic is linked to and				ad on charlet llights.
		influenced by major to	purist flows in Europe – in particular , Turkey, etc.) and North-Africa (Tu	r, North Europe and Russia flow		Related I	links
			ing specific criteria, EUROCONTR		nice	Read	our story on the Bu

Total Charter flights in Europe 2007-2016 Evolution



Reason decline charter flights:

- Passengers want more flexibility and thus a higher frequency
- Low cost airlines have the same low cost structure as charter airlines and since 2000, they also focus on typical charter destinations
- In the USA, which has the most mature aviation market, there is hardly any charter airline and leisure destinations are almost completely offered by traditional airlines (such a Delta Airlines) and low cost (for example Jet Blue). KLM as well has leisure destinations in her network (Ibiza)

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The 'outside base'-operation occurs typically during the middle of the day

OUTSIDE BASE

06.30 Draft 23.00



Source: https://www.groningenairport.nl/voor-reizigers/vluchten

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Lelystad directly meets airline requirements to operate 'multi-airport'- and 'outside base'-operations, but does not immediately offer capacity for one or more bases

REQUIREMENTS PER TYPE OF SPLIT OPERATION



The envisioned opening hours at Lelystad airport are relative to other regional airports not overly constrained





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Source: SEO-study: "Analysis opening hours Eindhoven Airport"

In conclusion, airlines could operate in a 'multi-airport'- or 'outside base'-type at Lelystad, while developing towards an 'additional base' once sufficient capacity is available

	OUTSIDE BASE	MULTI-AIRPORT	ADDITIONAL BASE
Opportunity for Lelystad	Well feasible	 Well feasible (depending on opening hours) 	 Only if total capacity is >10-15K ATMs
Type airline	Charter airlines	Foreign airlines	 Dutch/foreign (hybrid) airlines
Bottlenecks	 Market trends are declining for this type of operation Some airlines may be attracted with low airport charges This pattern does not fit with the requirements of the VVR to prioritize flights in block 2 and 6 	 Only of interest to limited number of airlines Creates small volumes (ATMs) Requires long opening hours 	 Requires a larger scale operation (>6.000 ATMs), which, given the projected growth path for LEY, will not be reached before 2024
ATMs at Lelystad Airport			Growth at Lelystad
	2019		
M ₃ consultancy			Confidentials for internal w