

# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

STUDENT NAME:

DATE AND TIME:

**01. What is the correct term for an involuntary and stereotypical reaction of an organism to the stimulation of a receptor?**

---

- a) Reduction
- b) Coherence
- c) Virulence
- d) Reflex

**02. An aircraft is flying at a pressure altitude of 7000 feet with an outside air temperature (OAT) of +21°C. The QNH altitude is 6500 ft. The true altitude equals...**

---

- a) 6500 ft
- b) 6250 ft
- c) 7000 ft
- d) 6750 ft

**03. What is the distance between the parallels of latitude 48°N and 49°N along a meridian line?**

---

- a) 60 NM
- b) 111 NM
- c) 1 NM
- d) 10 NM

**04. Air consists of oxygen, nitrogen and other gases. What is the approximate percentage of other gases?**

---

- a) 21 %
- b) 1 %
- c) 78 %
- d) 0.1 %

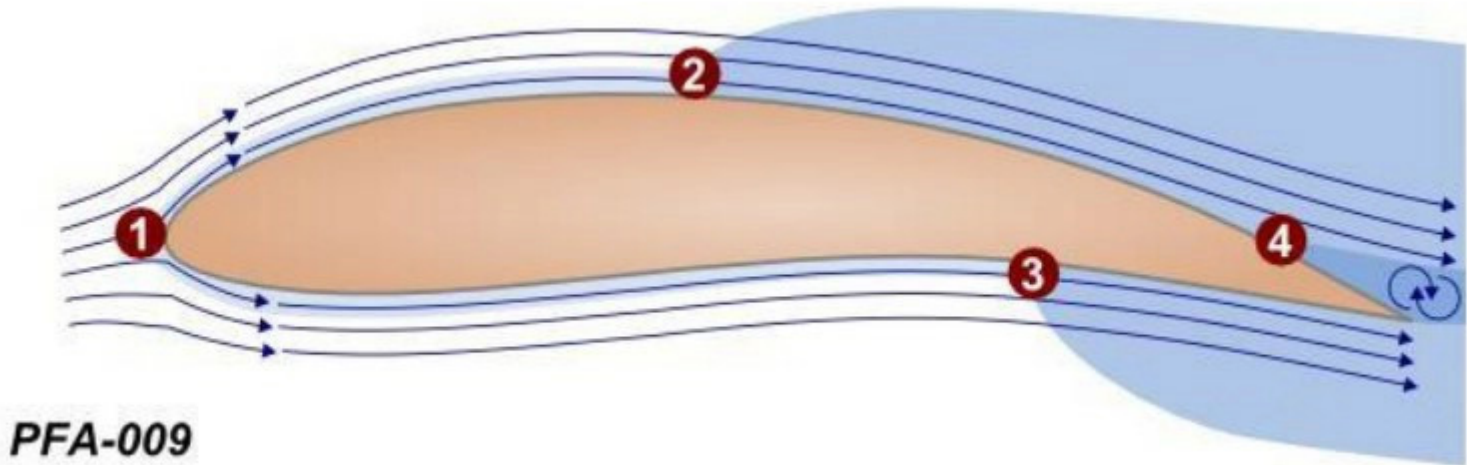
# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

05. Which point on the aerofoil is represented by number 4? See figure (PFA-009)



- a) Transition point
- b) Stagnation point
- c) Center of pressure
- d) Separation point

06. During a stall, the lift...

- a) Decreases and drag increases
- b) Increases and drag increases
- c) Decreases and drag decreases
- d) Increases and drag decreases

07. Which constructive feature has the purpose to reduce steering forces?

- a) T-tail
- b) Differential aileron deflection
- c) Vortex generators
- d) Aerodynamic rudder balance

# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

**08. The maximum load according to the load sheet has been exceeded. What action has to be taken?**

---

- a) Increase speed by 15%
- b) Reduce load
- c) Trim "pitch-down"
- d) Trim "pitch-up"

**09. The center of gravity (CG) defines...**

---

- a) The point on the longitudinal axis or its extension from which the centers of gravity of all masses are referenced
- b) The point through which the force of gravity is said to act on a mass
- c) The distance from the datum to the position of a mass
- d) The product of mass and balance arm

# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

10. Which answer completes the flight plan (marked cells)? See annex (NAV-014)

P6	P7		P8	P9		P9	P10
<b>NAV-014</b>	Wind W/V		rwk	L	rwSK	MW	mwSK
VE	Wind W/WS						
TAS	Richtung	Geschw.	TC	WCA	TH	VAR	MH
75	320	15	247	+11	258	1	257
95	320	15	152	+2	154	1	153
95	320	15	139	0	139	1	138
95	320	15	161	+3	164	1	163
95	320	15	179	+6		1	

- a) TH: 185°. MH: 184°. MC: 178°
- b) TH: 173°. MH: 184°. MC: 178°
- c) TH: 173°. MH: 174°. MC: 178°
- d) TH: 185°. MH: 185°. MC: 180°

11. What are the major components of an aircraft's tail?

- a) Rudder and ailerons
- b) Steering wheel and pedals
- c) Horizontal tail and vertical tail
- d) Ailerons and elevator

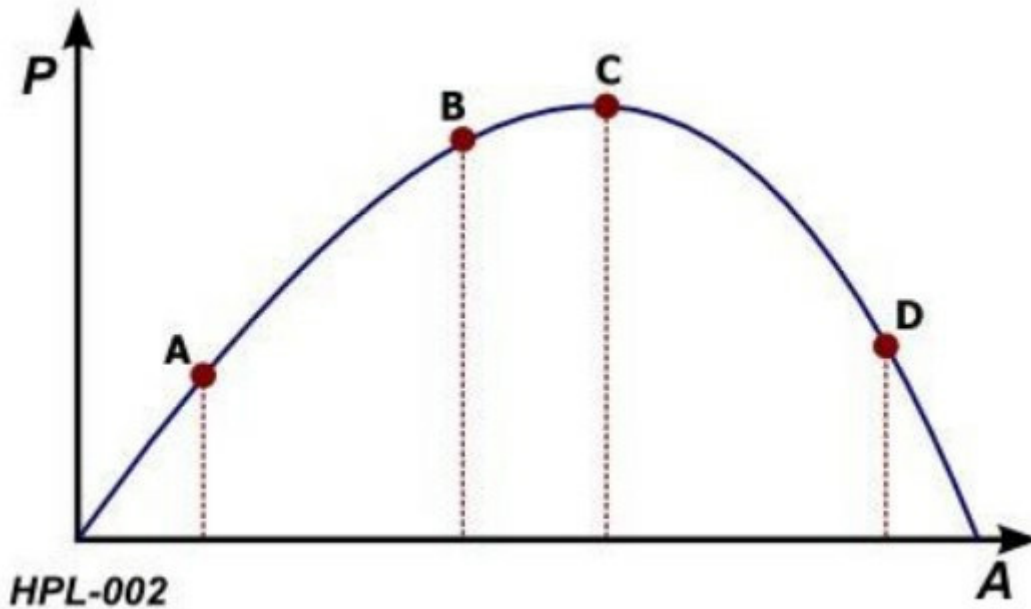
# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

12. The ideal level of arousal is at which point in the diagram? See figure (HPL- 002) P = Performance A = Arousal / Stress



- a) Point B
- b) Point C
- c) Point D
- d) Point A

13. Which force causes "wind"?

- a) Centrifugal force
- b) Pressure gradient force
- c) Coriolis force
- d) Thermal force

14. Weather and operational information about the destination aerodrome can be obtained during the flight by...

- a) PIREP
- b) SIGMET
- c) ATIS
- d) VOLMET

# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

## 15. What kind of defect results in loss of airworthiness of an airplane?

---

- a) Dirty wing leading edge
- b) Crack in the cabin hood plastic
- c) Scratch on the outer painting
- d) Damage to load-bearing parts

## 16. What information is provided in the general part (GEN) of the AIP?

---

- a) Table of content, classification of airfields with corresponding maps, approach charts, taxi charts, restricted and dangerous airspaces
- b) Access restrictions for airfields, passenger controls, requirements for pilots, license samples and validity periods
- c) Map icons, list of radio nav aids, time for sunrise and sunset, airport fees, air traffic control fees
- d) Warnings for aviation, ATS airspaces and routes, restricted and dangerous airspaces

## 17. Which section of the flight manual describes the basic empty mass of an aircraft?

---

- a) Limitations
- b) Normal procedures
- c) Weight and balance
- d) Performance

## 18. For what approximate time period can the short-time memory store information?

---

- a) 3 to 7 seconds
- b) 10 to 20 seconds
- c) 35 to 50 seconds
- d) 30 to 40 seconds

## 19. What has to be considered when operating a sailplane equipped with camber flaps?

---

- a) During approach and landing, camber must not be changed from negative to positive
- b) During approach and landing, camber must not be changed from positive to negative
- c) During winch launch, camber must be set to full negative
- d) During winch launch, camber must be set to full positive

# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

## 20. The term "flight time" is defined as...

---

- a) The period from engine start for the purpose of taking off to leaving the aircraft after engine shutdown
- b) The period from the start of the take-off run to the final touchdown when landing
- c) The total time from the first aircraft movement until the moment it finally comes to rest at the end of the flight
- d) The total time from the first take-off until the last landing in conjunction with one or more consecutive flights

## 21. What is the best combination of traits with respect to the individual attitude and behaviour for a pilot?

---

- a) Introverted - stable
- b) Introverted - unstable
- c) Extroverted - stable
- d) Extroverted - unstable

## 22. Exceeding the maximum allowed aircraft mass is...

---

- a) Compensated by the pilot's control inputs
- b) Only relevant if the excess is more than 10 %
- c) Exceptionally permissible to avoid delays
- d) Not permissible and essentially dangerous

## 23. Which of the stated materials shows the highest strength?

---

- a) Magnesium
- b) Carbon fiber reinforced plastic
- c) Aluminium
- d) Wood

## 24. Which phrase is to be used when a pilot wants the tower to know that he is ready for take-off?

---

- a) Ready for departure
- b) Request take-off
- c) Ready for start-up
- d) Ready

# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

## 25. The term "ceiling" is defined as the...

- a) Height of the base of the highest layer of clouds covering more than half of the sky below 20000 ft.
- b) Height of the base of the lowest layer of clouds covering more than half of the sky below 10000 ft.
- c) Height of the base of the lowest layer of clouds covering more than half of the sky below 20000 ft.
- d) Altitude of the base of the lowest layer of clouds covering more than half of the sky below 20000 ft.

## 26. A Pre-Flight Information Bulletin (PIB) is a presentation of current...

- a) AIC information of operational significance prepared after the flight.
- b) AIP information of operational significance prepared prior to flight.
- c) NOTAM information of operational significance prepared prior to flight.
- d) ICAO information of operational significance prepared after the flight.

## 27. (For this question, please use annex PFP-061) According to ICAO, what symbol indicates a group of unlighted obstacles?

- A
- B
- C
- D

PFP-061

- a) B
- b) D
- c) A
- d) C

# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

**28. Assume two arbitrary points A and B on the same parallel of latitude, but not on the equator. Point A is located on 010°E and point B on 020°E. The rhumb line distance between A and B is always...**

---

- a) Less than 300 NM.
- b) Less than 600 NM.
- c) More than 600 NM.
- d) More than 300 NM.

**29. A vertical speed indicator connected to a too big equalizing tank results in...**

---

- a) Mechanical overload
- b) No indication
- c) Indication too low
- d) Indication too high

**30. The holder of an SPL license or LAPL(S) license completed a total of 9 winch launches, 4 launches in aero-tow and 2 bungee launches during the last 24 months. What launch methods may the pilot conduct as PIC today?**

---

- a) Winch and bungee.
- b) Winch, bungee and aero-tow.
- c) Winch and aero-tow.
- d) Aero-tow and bungee.

**31. During a winch launch, just after stabilizing full climb attitude, the pull on cable suddenly stops. What action should be taken by the glider pilot?**

---

- a) Push slightly, wait for pull on cable to be re-established
- b) Inform winch driver by alternate aileron input
- c) Push firmly and decouple cable immediately
- d) Pull on elevator to increase cable tension

**32. The aerodynamic rudder balance...**

---

- a) Reduces the control surfaces
- b) Delays the stall
- c) Reduces the control stick forces
- d) Improves the rudder effectiveness

# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

**33. Which constructional elements give the wing its profile shape?**

---

- a) Ribs
- b) Planking
- c) Tip
- d) Spar

**34. During final approach, you realize that you missed to extend the gear. How should the landing be conducted?**

---

- a) You land without gear, and carefully touch down with minimum speed
- b) You extend the gear immediately and land as usual
- c) You retract flaps, extend the gear and land as usual
- d) You land without gear with higher than usual speed

**35. What is referred to as mountain wind?**

---

- a) Wind blowing down the mountain side during the night
- b) Wind blowing uphill from the valley during the night
- c) Wind blowing uphill from the valley during daytime
- d) Wind blowing down the mountain side during daytime

**36. With regard to the forces acting, how can stationary gliding be described?**

---

- a) The sum of air forces acts along the direction of air flow
- b) The sum of the air forces acts along with the lift force
- c) The lift force compensates the drag force
- d) The sum of air forces compensates the gravity force

# Exam simulation





SPL - Sailplane Pilot License - Meteorology



QuizVds.it

37. (For this question, please use annex PFP-062) According to ICAO, what symbol indicates a civil airport (not international airport) with paved runway?

---

- A 
- B 
- C 
- D 

PFP-062

- a) B
- b) C
- c) A
- d) D

38. What is the correct way of acknowledging the instruction "Next report PAH"?

---

- a) Positive
- b) Wilco
- c) Report PAH
- d) Roger

39. The shown NOTAM is valid until... A) 1024/25 A) LOWW B) 2505211200 C) 2505211400 E) STOCKERAU VOR STO 113.00 UNSERVICEABLE.

---

- a) 13/10/2025 00:00 UTC
- b) 21/05/2026 13:00 UTC
- c) 21/05/2025 14:00 UTC
- d) 13/05/2025 12:00 UTC

# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

**40. A transponder with the ability to send the current pressure level is a...**

---

- a) Transponder approved for airspace "B".
- b) Mode C or S transponder.
- c) Pressure-decoder.
- d) Mode A transponder.

**41. Air traffic control service is conducted by which services?**

---

- a) ALR (alerting service) SAR (search and rescue service) TWR (aerodrome control service)
- b) FIS (flight information service) AIS (aeronautical information service) AFS (aeronautical fixed telecommunication service)
- c) APP (approach control service) ACC (area control service) FIS (flight information service)
- d) TWR (aerodrome control service) APP (approach control service) ACC (area control service)

**42. Which of the following options states the working principle of a vertical speed indicator?**

---

- a) Measuring the present static air pressure and comparing it to the static air pressure inside a reservoir
- b) Measuring the vertical acceleration through the displacement of a gimbal-mounted mass
- c) Total air pressure is measured and compared to static pressure
- d) Static air pressure is measured and compared against a vacuum

**43. What are the air masses that Central Europe is mainly influenced by?**

---

- a) Arctic and polar cold air
- b) Tropical and arctic cold air
- c) Equatorial and tropical warm air
- d) Polar cold air and tropical warm air

**44. What is the correct term for the system which, among others, controls breathing, digestion, and heart frequency?**

---

- a) Critical nervous system
- b) Autonomic nervous system
- c) Automatical nervous system
- d) Compliant nervous system

# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

**45. Which distances to clouds have to be maintained during a VFR flight in airspaces C, D and E?**

---

- a) 1500 m horizontally, 1000 ft vertically
- b) 1000 m horizontally, 1500 ft vertically
- c) 1000 m horizontally, 300 m vertically
- d) 1500 m horizontally, 1000 m vertically

**46. The vertical speed indicator measures the difference of pressure between...**

---

- a) The present dynamic pressure and the dynamic pressure of a previous moment
- b) The present total pressure and the total pressure of a previous moment
- c) The present dynamic pressure and the static pressure of a previous moment
- d) The present static pressure and the static pressure of a previous moment

**47. The Pitot / static system is required to...**

---

- a) Prevent potential static buildup on the aircraft
- b) Measure total and static air pressure
- c) Prevent icing of the Pitot tube
- d) Correct the reading of the airspeed indicator to zero when the aircraft is static on the ground

**48. What is the correct way of acknowledging "You are now entering airspace Delta"?**

---

- a) Roger
- b) Airspace Delta
- c) Wilco
- d) Entering

**49. The term "static pressure" is defined as pressure...**

---

- a) Inside the airplane cabin
- b) Of undisturbed airflow
- c) Resulting from orderly flow of air particles
- d) Sensed by the pitot tube

# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

**50. What cloud type can typically be observed across widespread high pressure areas during summer?**

---

- a) Overcast low stratus
- b) Scattered Cu clouds
- c) Overcast Ns clouds
- d) Squall lines and thunderstorms

**51. The balance arm is the horizontal distance between...**

---

- a) The C.G. of a mass and the rear C.G. limit
- b) The front C.G. limit and the datum line
- c) The front C.G. limit and the rear C.G. limit
- d) The C.G. of a mass and the datum line

**52. Two aircraft of the same type, same grossweight and same configuration fly at different airspeeds. Which aircraft will cause more severe wake turbulence?**

---

- a) The aircraft flying at lower altitude
- b) The aircraft flying at higher speed
- c) The aircraft flying at higher altitude
- d) The aircraft flying at slower speed

**53. Which of the following landing areas is most suitable for an off-field landing?**

---

- a) A field with ripe waving crops
- b) A meadow without livestock
- c) A light brown field with short crops
- d) A lake with an undisturbed surface

**54. What is the function of the blood platelets (thrombocytes)?**

---

- a) Oxygen transport
- b) Blood sugar regulation
- c) Immune defense
- d) Blood coagulation

# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

**55. Temperatures will be given by meteorological aviation services in Europe in which unit?**

---

- a) Gpdam
- b) Kelvin
- c) Degrees Centigrade (° C)
- d) Degrees Fahrenheit

**56. Despite several attempts, the landing gear can be extended, but not locked. How should the landing be conducted?**

---

- a) Keep gear unlocked and perform normal landing
- b) Keep a firm grip on gear handle during normal landing
- c) Retract landing gear and perform belly landing with minimum speed
- d) Retract gear and perform belly landing with increased speed

**57. What types of boundary layers can be found on an aerofoil?**

---

- a) Laminar boundary layer along the complete upper surface with non-separated airflow
- b) Turbulent layer at the leading wing areas, laminar boundary layer at the trailing areas
- c) Turbulent boundary layer along the complete upper surface with separated airflow
- d) Laminar layer at the leading wing areas, turbulent boundary layer at the trailing areas

**58. The load factor "n" describes the relationship between...**

---

- a) Weight and thrust
- b) Drag and lift
- c) Lift and weight
- d) Thrust and drag

**59. 1000 ft equal...**

---

- a) 300 m
- b) 3000 m
- c) 30 km
- d) 30 m

# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

**60. During thermal soaring, another sailplane is following close by. What should be done to avoid a collision?**

---

- a) You reduce speed to let the other sailplane fly by
- b) You reduce bank to achieve a larger turn radius
- c) You increase bank to be better seen from the other sailplane
- d) You increase speed to achieve a position opposite in the circle

**61. What is the correct phrase with respect to wake turbulence to indicate that a light aircraft is following an aircraft of a higher wake turbulence category?**

---

- a) Caution wake turbulence
- b) Be careful wake winds
- c) Danger jet blast
- d) Attention propwash

**62. What engine design at a Touring Motor Glider (TMG) results in least drag?**

---

- a) Engine and propeller mounted fixed on the fuselage
- b) Engine and propeller mounted stowable on the fuselage
- c) Engine and propeller mounted fixed at the aircraft's nose
- d) Engine and propeller mounted fixed at the horizontal stabilizer

**63. Which are the official basic units for horizontal distances used in aeronautical navigation and their abbreviations?**

---

- a) Nautical miles (NM), kilometers (km)
- b) Land miles (SM), sea miles (NM)
- c) Yards (yd), meters (m)
- d) Feet (ft), inches (in)

**64. Which of the following conditions are most favourable for ice accretion?**

---

- a) Temperatures between 0° C and -12° C, presence of supercooled water droplets (clouds)
- b) Temperatures below 0° C, strong wind, sky clear of clouds
- c) Temperatures between -20° C and -40° C, presence of ice crystals (Ci clouds)
- d) Temperatures between +10° C and -30° C, presence of hail (clouds)

# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

**65. What is the purpose of the signal square at an aerodrome?**

---

- a) It is an illuminated area on which search and rescue and fire fighting vehicles are placed
- b) It contains special symbols to indicate the conditions at the aerodrome visually to over-flying aircraft
- c) Aircraft taxi to this square to get light signals for taxi and take-off clearance
- d) It is a specially marked area to pick up or drop towing objects

**66. Given: True course: 120°. TAS: 120 kt. Wind: 150°/12 kt. The WCA equals...**

---

- a) 3° to the right
- b) 6° to the right
- c) 6° to the left
- d) 3° to the left

**67. The average decrease of blood alcohol level for an adult in one hour is approximately...**

---

- a) 0.01 percent
- b) 0.03 percent
- c) 0.1 percent
- d) 0.3 percent

**68. What is the meaning of the abbreviation "SERA"?**

---

- a) Selective Radar Altimeter
- b) Standardized European Rules of the Air
- c) Standard European Routes of the Air
- d) Specialized Radar Approach

**69. An inversion is a layer ...**

---

- a) With constant temperature with increasing height
- b) With increasing pressure with increasing height
- c) With increasing temperature with increasing height
- d) With decreasing temperature with increasing height

# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

**70. What does the dynamic pressure depend directly on?**

---

- a) Lift- and drag coefficient
- b) Air density and airflow speed squared
- c) Air density and lift coefficient
- d) Air pressure and air temperature

# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

## Response Scheme

Compare your answers with the following diagram and mark your score!

01: D	02: C	03: A	04: B
05: D	06: A	07: D	08: B
09: B	10: A	11: C	12: A
13: B	14: C	15: D	16: C
17: C	18: B	19: B	20: C
21: C	22: D	23: B	24: A
25: C	26: C	27: D	28: B
29: D	30: A	31: C	32: C
33: A	34: A	35: A	36: D
37: C	38: B	39: C	40: B
41: D	42: A	43: D	44: B
45: A	46: D	47: B	48: A
49: B	50: B	51: D	52: D
53: C	54: D	55: C	56: C
57: D	58: C	59: A	60: D
61: A	62: B	63: A	64: A
65: B	66: A	67: A	68: B
69: C	70: B		

# Exam simulation

SPL - Sailplane Pilot License - Meteorology



QuizVds.it

## Response form

Use this form to mark your answers

01: _____	02: _____	03: _____	04: _____
05: _____	06: _____	07: _____	08: _____
09: _____	10: _____	11: _____	12: _____
13: _____	14: _____	15: _____	16: _____
17: _____	18: _____	19: _____	20: _____
21: _____	22: _____	23: _____	24: _____
25: _____	26: _____	27: _____	28: _____
29: _____	30: _____	31: _____	32: _____
33: _____	34: _____	35: _____	36: _____
37: _____	38: _____	39: _____	40: _____
41: _____	42: _____	43: _____	44: _____
45: _____	46: _____	47: _____	48: _____
49: _____	50: _____	51: _____	52: _____
53: _____	54: _____	55: _____	56: _____
57: _____	58: _____	59: _____	60: _____
61: _____	62: _____	63: _____	64: _____
65: _____	66: _____	67: _____	68: _____
69: _____	70: _____		